

REVISION INFORMATION:

REVISION DATE	REVISION DESCRIPTION
October 19, 2001	<ol style="list-style-type: none"> 1) Added C = 0.25% to Dale Wirewound RH page 2) Added HL-5, HL-6 and HL-10 sizes to Dale Wirewound HL page 3) Added per marks C93 and C94 4) Fixed example #3, removed the 2 after the J on Dale Network CS206 page 5) Added quantities to clarify packaging codes on Dale Film FP page 6) Added Models B, E and X to Thermistors 7) Added B14 bulk pack as non-standard code on Exx and RWR pages
November 16, 2001	<ol style="list-style-type: none"> 1) Corrected standard reeling codes for Dale Wirewound RWR84, Eqx-10 and Esx-10 resistors.
December 7, 2001	<ol style="list-style-type: none"> 1) Added Model E to Thermistor Special page 2) Corrected resistance value in SAP part number example and added note to TC column on Draloric Film FPR page. 3) Corrected resistance value in SAP part number example on Draloric Wirewound GWK 4) Added another part number example and clarified # of digits in Optional Construction and Special columns on Dale Film ROX page
January 16, 2002	<ol style="list-style-type: none"> 1) Added F=1% tolerance to Dale Wirewound HL/NHL, HL/NHL Flat pages 2) Added F02 foam pack code to Dale Wirewound RS/NS page 3) Added R1=3300, R2=6800 row to Impedance Table page 4) Added Standard / Non-Standard Column to FP / C6 Spec Codes page 5) Noted that the CCF-55 and CCF-07 will be available as of 02/01/2002 on Dale Film CCF page 6) Added CP=R55 packaging code on Dale Film ERL (Specials) page
March 6, 2002	<ol style="list-style-type: none"> 1) Added per marks C95, C96, C97, H1 and W17. 2) Added packaging code M10 to Dale Wirewound CFR page. 3) Added vinyl and mylar options to Dale Film D / G page. 4) Added "Brackets and Accessories" page to Draloric WW section. 5) Added conversions for LX and XX to B29 and S27 pack codes on Draloric WW pages. 6) Added TC's A, B and C to Draloric WW KKA page. 7) Added P=FST and LX = B29 on Draloric Film HGR page. 8) Clarified SAP vs Draloric vs Dale pack codes for avisert and panisert lead forming on Draloric Film LCA, SMA and SXA pages and updated Table of Contents to include the ..R and ..V part numbers.
May 3, 2002	<ol style="list-style-type: none"> 1) Changed resistance value digits from 3 to 6 on CMF07 and CMF20 limited to E24 values only on Dale Film CMF (Commercial) page. 2) Added G-6 to the Dale WW G, GN page. 3) Added per marks C98 and C99. 4) Removed B14 (H) packaging code option and correct part number example on Dale WW SPU page. 5) Removed B05 as packaging option in part number example and fixed resistance values in VALUE column so that they are 6 digits in lieu of 5 digits on Dale WW SPR page. 6) Added LA package code and clarified Legacy pack code conversions on Draloric WW SKF page. 7) Added Draloric and Dale Legacy pack codes for SAP pack code 41 on Draloric Film SXA page. 8) Clarified SAP vs Draloric vs Dale pack codes and fixed example part number on Draloric Film SK page. 9) Added conversion of ZX = S51 for pack codes on Draloric WW pages. 10) Clarified example for -68 on Dale Film RC_M page. 11) <u>Noted R79 is not available on 6927 size on Dale WW WSC/WSN and WSF pages.</u>
July 15, 2002	<ol style="list-style-type: none"> 1) Added D = 0.5% to Dale Film ROX page. 2) Add "Note: NI also known as SWI" on applicable Draloric WW pages. 3) Added per mark H2 and W17. 4) Added WSZ family to Dale WW and Draloric WW sections. 5) Added WSL....E family to Dale WW section. 6) Added 3921 size to Dale WW WSL page. 7) <u>Updated packaging code page to DPS-327 revision GN.</u>
August 30, 2002	<ol style="list-style-type: none"> 1) Changed packaging code M=RG7 to B=RG7 and added curves 05 and 06 to Dale Thermistor NTHS page. 2) Added LCD family to Plasma Display section. 3) Added 0603, 2816 and 5931 sizes to Dale WW WSL page. 4) Clarified coding for specials on the Dale Film RCW page. 5) Added 130 R1, 130 R2 row to Impedance Table. 6) Added 4 and 5 watt sizes to Dale WW WSR page.

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November 25, 2002	<ol style="list-style-type: none"> 1) Added J=5% on Dale Thermistor DN page. 2) Corrected sample part number (SR5-1 is correct type) on Dale WW SR page. 3) Added per marks W8, P21, CA1 and CA2. 4) Corrected pack codes from D02 & D04 to DO2 & DO4 on Draloric Film LCA and SMA pages. 5) Added fusible (SI) information to Draloric Film M10, M11, M12, M25 page. 6) Added 04N terminal option to Dale WW HL page. 7) Added Dale and Draloric legacy pack codes to Draloric Film WK page. 8) Modified BRACKET description to BRACKETR and SPRICLIP on Draloric WW Brackets page. 9) Fixed legacy part number examples on NKS and SKS Draloric Film pages. 10) Added RCA family to Vishay Dale Film section. 11) Added B14 packaging code to Dale WW SR page.
March 14, 2003	<ol style="list-style-type: none"> 1) Added Dale and Draloric legacy pack codes to Draloric Film WR page. 2) Added per mark P22 and CA3. 3) Added T = T06 100 pc waffle tray to Dale Thermistor B / C / E, etc. page. 4) Added X = 15 PPM to Dale WW WSL...E page. 5) Stated RT7 is for 04 only and RG5 is for 06 only on Dale Network/Arrays CZA page. 6) Added LCG family to Dale Plasma Displays section. 7) Added Dale Legacy pack codes to Draloric WW G200, KKA/KKE and Z300 pages. 8) Added 0402, 2010 and 2512 sizes to Dale Film TNPW page. 9) Added (B/H)BR to Dale Film B / H page. 10) Added O4 and O2 packaging codes to Draloric Film NMA page. 11) Fixed example P/N to RK20207 on Draloric Film RK2 page.
August 5, 2003	<ol style="list-style-type: none"> 1) Added Dale and Draloric legacy pack codes to Draloric Film HCA, UCA, SMM and SMA pages. 2) Added RE4 or WG to all applicable axial leaded Dale Film pages. 3) Added 4 = SWI in TC / Material column on Draloric WW Z300 page. 4) Added 112A, 241A, 252A, 401B, 950B and 990C code to Impedance Codes page. 5) Added 0309 size to Draloric Film NMA page. 6) Added per mark CA4. 7) Added TD = RT7 pack code and Z = zero ohm jumper tolerance on Dale Network/Arrays CRA page. 8) Added additional Special Characters to Draloric WW GWS page. 9) Added B=100ppm and C=50ppm to Draloric Film WK page. 10) Changed LX = B14 on Draloric WW SKF page. 11) Added A=200ppm, G = 2% tolerance, and several pack codes to the Draloric Film ZMA page. 12) Added CW-2B/RS-2B page to Draloric WW section. 13) Added P=500ppm and HR on Draloric Film D10, D11, D12, D25 page. 14) Added pack code TG for 2512 size on Dale Film TNPW page.
September 15, 2003	<ol style="list-style-type: none"> 1) Added 0207 as being able to be packed as B3 on Draloric Film SMM page. 2) Added PST family to Dale Thermistor section. 3) Added Y=R52 package code to Dale Thermistor PTFT page. 4) Added packaging min/mult info for Draloric Film HGR page.
November 20, 2003	<ol style="list-style-type: none"> 1) Added LAB – MINI LABS page to Draloric Film section. 2) Added 5 = Part Marking (-65) to Dale Film RC_M page. 3) Changed MODEL SIZE format on Draloric Film NKS and SKS pages. 4) Added Draloric packaging codes and corrected 0309 packaging info on Draloric Film LCA page 1. 5) Added per mark CA5. 6) Updated packaging code information to DPS-327 Rev. GW.

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May 17, 2004	<ol style="list-style-type: none"> 1) Added 07 size for Dale Wirewound CPCP page. 2) Added C05 pack code to Dale Wirewound RH/NH page. 3) Added WSE Dale Wirewound page 4) Added C, GKK, GW, KFA, KNA, SKA, TW, VC, VNA and ZWO families to Draloric WW section. 5) Changed T.C. & special columns for CRCW Film 6) Added CRCW_BC Film page 7) Changed packaging column for PMMO Film 8) Numerous changes to the Draloric Film Section 9) Changed special column for B / C / E / F / H / J / M / T / W / X Thermistor 10) Changed curve column for NTHS Thermistor 11) Added 20% tolerance to PST Thermistor
August 23, 2004	<ol style="list-style-type: none"> 1) Changed BA/B43 and B12 = 100 pc per box for all applicable Dale WW pages. 2) Added Lead free packaging codes to Dale WW pages. 3) Added FastTrack charge part numbering to Dale Wirewound and Dale Film Miscellaneous pages. 4) Added FD family to Draloric WW section. 5) Added 5 = SW1 to Draloric WW GBS page. 6) Added TC of D and 51 pack code to Draloric WW KKA/KKE page. 7) Added ZDV series, F value multiplier and 8B and 40 pack codes to Draloric WW Z300 page. 8) Added 308D size and 0 TC to Draloric WW ZBS page. 9) Added size 1412, 0 TC and 0 tolerance to Draloric WW ZW page. 10) Removed SMA0207 replacement note from Dale Film CCF page. 11) Added BG and R6 pack codes to Dale Film CMF (Commercial) page. 12) Removed CT55 from Dale Film CMF Military (RN) page. 13) Removed 0805 size from Dale Film CRCC page. 14) Added NA and E3 to Specials on Dale Film CRCW page. 15) Added /12 to Dale Film RC_M page. 16) Added 0603 and 0402 sizes to Dale Film RCWP page. 17) Added 0603 size to Dale Film RCWPM-99 page. 18) Added obsolescence note to Dale Film TNPWM page. 19) Added CFA, EK, HMM, LAB-MINI-LABS, LCE, LCL, LCR, LCS, LCV, MS1, NME, NML, NMR, NMS, NMV, OME, OML, OMR, OMS, OMV, PME, PML, PMR, PMS, PMV, RN, SME, SML, SMR, SMS, SMV, SXE, SXL, SXR, SXS, SXV, UBA, UCS, VK, WRM, ZMV, Yageo 4xx and 5xx pages to Draloric Film section. 20) Added new Special Characteristics, TC, Tolerances, Pack Codes and Specials to Draloric Film D series page. 21) Added G special characteristic and 2C and 21 pack codes to Draloric Film MK page. 22) Removed 06 size from Network/Arrays CRCA page. 23) Added 09 Pin Count to MSP (01, 03, 00) 24) Noted availability of TRA06E083.... only as of 7/1/2004 on Network/Arrays TRA page. 25) Added D=0.5% tolerance and C=0.25% tolerance to Thermistor TFPT page. 26) Added per mark W18.
February 25, 2005	<ol style="list-style-type: none"> 1) Allowed S70 and S73 for CA-4000, CA-5000 series on Dale Wirewound CA page. 2) Added CA, CP and CPCC/CPCF High Volume pages to Dale Wirewound section. 3) Added comments to Draloric WW G200 and Z300 pages that the Lx pack codes are for sample only. 4) Moved TNPW from Dale Film to Draloric Film section 5) Changed to 0=jumper for TC, added 4=+20% in tolerance on Draloric Film Dxx page. 6) Added Leadfree CRCW / D page to Draloric Film section 7) Changed pack code from 7B to 2B and IC to DC on Draloric Film LCA page. 8) Changed Special Character option from B to 0 on Draloric Film SKS page. 9) Removed 0207 from B3 pack code option, changed 2nd example from Y to W on Draloric Film SMM page. 10) Added TNPW from Dale section and TNPW Leadfree page to Draloric Film section 11) Added pack code S9 = S90 (reel) on Dale Network SOGC and SOMC pages. 12) Added PDB to Dale Plasma Displays PDS page and index. 13) Removed DN, DP and SSP families from the Dale Thermistor Section 14) Added lead free package codes to all Dale Thermistor Pages

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March 9, 2005	<ol style="list-style-type: none"> 1) Removed 1, 3 and 4 TC options from Draloric Wirewound KKA / KKE page. 2) Fixed example to code 221B on Dale Network SOMC (05) page. 3) Added WA = 210W to Per Mark table. 																																													
March 15, 2005	<ol style="list-style-type: none"> 1) Updated Dale Film CRCW page, added M and 1 tolerances and HL, NL specials. Removed BC and E3 specials. 2) Updated Draloric Film TNPW page, changed special value call out and removed some tolerance, TC and package codes options. 3) Changed Draloric Film HMA and NMA pages such that pack code 12 is used instead of 14. 4) Added value multiplier 6 to Draloric Film D10 page. 5) Added Dale Legacy pack codes to Draloric Film LCA page. 6) Added Dale Legacy pack codes to Draloric Film SXA page. 																																													
March 17, 2005	<ol style="list-style-type: none"> 1) Removed Special Character B and added 0 = neutral on Draloric Film NKS page. 2) Removed packaging code G5 from Draloric Film WK page. 3) Added LED series to Dale Plasma Displays section. 																																													
June 24, 2005	<ol style="list-style-type: none"> 1) Modified part number examples and descriptions on Dale pages for SAPPAS harmonization clarification 2) Added CANS family to Dale Wirewound section. 3) Added 07 size to Dale Wirewound CPCC/CPCF High Volume page. 4) Added 8027 size to Draloric Wirewound WSZ page. 5) Removed 2X, 3X, 8X pack codes from Draloric WW Z300 page. 6) Added lead free and preferred pack codes to Dale Film and Network sections. 7) Moved CCF55 / 07, CRCW and CRCW_BC pages into Draloric Film section. 8) Added CCF55 / 07 lead free page to Draloric Film section. 9) Removed Chip Kit info from CRCW page and created new Design Kit pages in Draloric Film section. 10) Removed Pb Free info, added T TC, changed 6=106 multiplier and added L tol to Draloric Film D10.. page. 11) Added LABS-MINI LABS lead free page to Draloric Film section. 12) Removed lead free package option from Thermistor SSN pages. 13) Added permark code H3 																																													
April 1, 2009	<ol style="list-style-type: none"> 1) Pack code E = Tape/reel was added to WSBS/WSMS page 																																													
July 31, 2009	<ol style="list-style-type: none"> 1) Removed Suffix R1, R2, R3, R4, R5, R6, R7, and RA from PERMARK Code Table. 2) Added the following to the PERMARK Code Table. <table border="0" style="margin-left: 20px;"> <tr><td>0811-2188</td><td>CA6</td><td>WW</td></tr> <tr><td>0811-0229</td><td>CA7</td><td>WW</td></tr> <tr><td>77P5766</td><td>CA8</td><td>WW</td></tr> <tr><td>177664,2W</td><td>CA9</td><td>WW</td></tr> <tr><td>91637,44R2F</td><td>CB1</td><td>WW</td></tr> <tr><td>42G3139</td><td>CB2</td><td>WW</td></tr> <tr><td>S10404-99</td><td>H4</td><td>WW</td></tr> <tr><td>S10404-136</td><td>H8</td><td>WW</td></tr> <tr><td>S10404-134</td><td>H9</td><td>WW</td></tr> <tr><td>S10404-112</td><td>J1</td><td>WW</td></tr> <tr><td>S10404-132</td><td>J2</td><td>WW</td></tr> <tr><td>S10404-127</td><td>J3</td><td>WW</td></tr> <tr><td>S10404-135</td><td>J4</td><td>WW</td></tr> <tr><td>30731437-272</td><td>P23</td><td>FILM</td></tr> <tr><td>30731437-203</td><td>P24</td><td>FILM</td></tr> </table> 3) Changed Col to WW in the Origin column of the PERMARK Code Table 4) Changed Nor to Film in the Origin column of the PERMARK Code Table 5) Added the K package code to the Packaging column under a new category NON-STANDARD LEAD FREE PACKAGING CODES to the HL Wire wound Resistor Types. 	0811-2188	CA6	WW	0811-0229	CA7	WW	77P5766	CA8	WW	177664,2W	CA9	WW	91637,44R2F	CB1	WW	42G3139	CB2	WW	S10404-99	H4	WW	S10404-136	H8	WW	S10404-134	H9	WW	S10404-112	J1	WW	S10404-132	J2	WW	S10404-127	J3	WW	S10404-135	J4	WW	30731437-272	P23	FILM	30731437-203	P24	FILM
0811-2188	CA6	WW																																												
0811-0229	CA7	WW																																												
77P5766	CA8	WW																																												
177664,2W	CA9	WW																																												
91637,44R2F	CB1	WW																																												
42G3139	CB2	WW																																												
S10404-99	H4	WW																																												
S10404-136	H8	WW																																												
S10404-134	H9	WW																																												
S10404-112	J1	WW																																												
S10404-132	J2	WW																																												
S10404-127	J3	WW																																												
S10404-135	J4	WW																																												
30731437-272	P23	FILM																																												
30731437-203	P24	FILM																																												

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August 14, 2009	1) Added new package codes to NETxTCX page. FC = Sn95/Ag5=e2, per TPI PC = Sn63/Pb37, per TPI RC = Sn60/Pb40, per TPI SC = Sn62/Pb36/Ag2, per TPI TC = Sn90/Pb10, per TPI NC = No solder, per TPI																																																
October 12, 2009	1) Removed " * Leadfree version not currently released " footnote and asterisk from " STD LEAD FREE CODES ", " EA ", " EB ", and " EK " Packaging codes from CMF (Commercial) page 2) Removed asterisk from " EK ", " EL ", and " EE " Packaging codes and from " STD TIN/LEAD CODES (HVW/HVX) " from MVW / HVW / HVX) page. Changed footnote " * Leadfree version not currently released " to " *MVW product does not contain lead " 3) Removed footnote " * Lead free will not be available until Q3 2005 " from CPW/CPWN page. 3) Added PSF Dale Film register page																																																
October 22, 2009	1) Added TOC entry "CHARGES (3 of 3)" and page "VISHAY TECHNO FILM RESISTORS FAST TRACK PROGRAM (cont 3 of 3)" to VISHAY TECHNO RESISTORS section.																																																
October 30, 2009	1) Removed CCF-2 page and book mark from Dale Film Parts Manual. 2) Removed B, C, and D tolerance from CCF page. 3) Removed E = T-9 T.C. from CCF page.																																																
March 02, 2010	1) Added the following to the PERMARK Code Table (in alphabetical order) S10404-139 H5 WW S10404-138 H6 WW S10404-137 H7 WW S10404-144 J5 WW 12W W24 WW 2) Removed "Lead free will not be available until Q3 2005" from VISHAY DALE WIREWOUND RESISTORS - SPU page 3) Added new "RCWPM-99 (Military 32159 Jumper Thick Film)" page, under VISHAY DALE FILM RESISTORS.																																																
May 4, 2010	1) For the MCN, TCN, TRC and TxxS (T06S, T07S, T08S, T09S & T10S) products, added the pack code "CB". 2) For the TxxL (T14L & T16L) products, added the pack code "CT". 3) For the MRCN product, added the pack codes "CB" and "CW". 4) For the TSR product, added the pack codes "CB" and "CS". 5) For the NETxTCX (NETCTCX, NETDTCX & NETSTCX) products, added the pack codes "CB", "CC", "CT" and "CW". 6) For the TCX product, added the pack codes "CB", "CS", "CT" and "CW".																																																
May 20, 2010	1) Added the following to the IMPEDANCE CODES (in alphabetical order) <table border="1"> <thead> <tr> <th>R1 (OHMS)</th> <th>R2 (OHMS)</th> <th>IMPEDANCE CODE</th> <th>CODE SUFFIX</th> <th>LEGACY 1%</th> <th>LEGACY 2%, 5%</th> </tr> </thead> <tbody> <tr> <td>180</td> <td>360</td> <td>121</td> <td>F</td> <td>1800/3600</td> <td>181/361</td> </tr> <tr> <td>260</td> <td>162</td> <td>101</td> <td>G</td> <td>2600/1620</td> <td>n/a</td> </tr> <tr> <td>310</td> <td>470</td> <td>191</td> <td>C</td> <td>3100/4700</td> <td>311/471</td> </tr> <tr> <td>330</td> <td>180</td> <td>121</td> <td>J</td> <td>3300/1800</td> <td>331/181</td> </tr> <tr> <td>360</td> <td>180</td> <td>121</td> <td>G</td> <td>3600/1800</td> <td>361/181</td> </tr> <tr> <td>390</td> <td>180</td> <td>121</td> <td>H</td> <td>3900/1800</td> <td>391/181</td> </tr> <tr> <td>5000</td> <td>5000</td> <td>252</td> <td>B</td> <td>5001/5001</td> <td>502/502</td> </tr> </tbody> </table> 2) Updated the following from VISHAY DALE NETWORK/ARRAY RESISTORS CSRC: a. Remove the top 2 sample part (CSRC08C30102J10KP and CSRC10B21510J103ME) b. Remove schematic 20, 21 and 30 in the SCHEMATIC column c. Added "Note: For standard CSRC parts, use the CS206 series in the RESISTANCE VALUE column d. Leaved only comment from Special, to the word voids in the RESISTANCE VALUE column e. Removed G and J in the RESISTANCE/TOLERANCE column f. Leaved only XXX = Special in CAP. VALUE column g. Removed K and M in CAP. TOLERANCE column 3) Added the following to the VISHAY TECHNO FILM RESISTORS TR T = 600ppm G = 700ppm U = 1000ppm And Combined the two columns which are Size column and Power Rating column	R1 (OHMS)	R2 (OHMS)	IMPEDANCE CODE	CODE SUFFIX	LEGACY 1%	LEGACY 2%, 5%	180	360	121	F	1800/3600	181/361	260	162	101	G	2600/1620	n/a	310	470	191	C	3100/4700	311/471	330	180	121	J	3300/1800	331/181	360	180	121	G	3600/1800	361/181	390	180	121	H	3900/1800	391/181	5000	5000	252	B	5001/5001	502/502
R1 (OHMS)	R2 (OHMS)	IMPEDANCE CODE	CODE SUFFIX	LEGACY 1%	LEGACY 2%, 5%																																												
180	360	121	F	1800/3600	181/361																																												
260	162	101	G	2600/1620	n/a																																												
310	470	191	C	3100/4700	311/471																																												
330	180	121	J	3300/1800	331/181																																												
360	180	121	G	3600/1800	361/181																																												
390	180	121	H	3900/1800	391/181																																												
5000	5000	252	B	5001/5001	502/502																																												

REVISION DATE	REVISION DESCRIPTION
September 24, 2010	<ol style="list-style-type: none"> 1) Added product RCHR to VISHAY TECHNO FILM RESISTORS 2) Added product CRMV to VISHAY TECHNO FILM RESISTORS 3) Added ' C = Custom' custom packaging type to product TCX (VISHAY TECHNO NETWORKS) 4) Changed package code note for E70 and E73 on the CW product. (VISHAY DALE WIREWOUND RESISTORS) E70 = Std tape/reel except 1000 pcs or 500 pcs (Smaller than CW005) E73 = Std tape/reel except 500 pcs (CW005 and larger)
December 10, 2010	<ol style="list-style-type: none"> 1) CW page - E12 pack code had comment "(standard bulk for CW1/2, CW001, CW01M)" removed. 2) CW page - E70 pack code had "or 500 pcs" removed from comment. 3) CW page - E73 pack code had comment "(CW005 and larger)" removed. 4) CW page - B12 pack code had comment "(standard bulk for CW1/2, CW001, CW01M)" removed and was moved to NON-STANDARD TIN/LEAD PACKAGING CODES. 5) CW page - S70 pack code had comment "or 500 pcs (CW005, CW007, CW010)" changed to "(smaller than CW005)" and moved to STANDARD TIN/LEAD PACKAGING CODES. 6) CW page - S73 pack code was moved to STANDARD TIN/LEAD PACKAGING CODES. 7) G/GN page - E12 pack code had comment "(standard bulk for G001, G002, G003)" removed. 8) G/GN page - E14 pack code was removed. 9) G/GN page - E70 pack code had comment "or 500 pcs (Exx2A, Exx05, Exx10)" change to "(smaller than G010)". 10) G/GN page - B12 pack code had comment "(standard bulk for G001, G002, G003)" removed. 11) G/GN page - B14 pack code had comment "(standard for G005, G05C, G010, G012, G015)" removed and moved to NON-STANDARD TIN/LEAD PACKAGING CODES. 12) G/GN page - S70 pack code had comment "(or 500 pcs (Exx2A, Exx05, Exx10)" changed to "(smaller than G010)" and moved to STANDARD TIN/LEAD PACKAGING CODES. 13) G/GN page - S73 pack code was moved to STANDARD TIN/LEAD PACKAGING CODES. 14) LVR page - Note "" Lead free will not be available until 2005" was removed. 15) LVR page - S70 and S73 pack codes were moved to STANDARD TIN/LEAD PACKAGING CODES. 16) RS/NS page - E12 pack code had comment "(standard bulk on RS1/4 to RS01M)" removed. 17) RS/NS page - E14 pack code was removed. 18) RS/NS page - E70 pack code had comment "or 500 pcs (RS005, RS007, RS010)" replaced with "(smaller than RS005)". 19) RS/NS page - B12 pack code had comment "(standard bulk on RS1/4 to RS01M)" removed. 20) RS/NS page - B14 pack code had comment "(standard bulk for RS002 through RS010)" removed and moved to NON-STANDARD TIN/LEAD PACKAGING CODES. 21) RS/NS page - S70 pack code had comment "or 500 pcs (RS005, RS007, RS010)" changed to "(smaller than RS005)" and moved to STANDARD TIN/LEAD PACKAGING CODES. 22) RS/NS page - S73 pack code was move to STANDARD TIN/LEAD PACKAGING CODES. 23) RW page - B12 pack code had comment "(standard bulk for RW70, RW80, and RW81)" removed. 24) RW page - B14 pack code had comment "(standard bulk for RW67, RW68, RW69, RW74, RW78, RW79)" removed and moved to STANDARD TIN/LEAD PACKAGING CODES. 25) RW page - S70 pack code had comment "or 500 pcs (RW67, RW74, RW68, RW78)" changed to "(RW69, RW70, RW79, RW80, RW81)" and moved to STANDARD TIN/LEAD PACKAGING CODES. 26) RW page - S73 pack code was moved to STANDARD TIN/LEAD PACKAGING CODES. 27) ESS/ESW/ESN and EGS/EGW/EGN page - S70 pack code had comment "or 500 pcs (Exx2A, Exx05, Exx10)" changed to "(smaller than 5W)" and moved to STANDARD TIN/LEAD PACKAGING CODES. 28) ESS/ESW/ESN and EGS/EGW/EGN page - S73 pack code was moved to STANDARD TIN/LEAD PACKAGING CODES. 29) RWR page - S70 pack code had comment "or 500 pcs" changed to "(smaller than 5W)" and moved to STANDARD TIN/LEAD PACKAGING CODES. 30) RWR page - S73 pack code was moved to STANDARD TIN/LEAD PACKAGING CODES. 31) HLM/NHLM/HLMT page - 1% tolerance was added. 32) HLW/NHLW page - 1% tolerance was added. 33) CRHV page - F pack code was changed to Full Reel and M, 5, 1, and 2 pack codes were added.
January 21, 2011	<ol style="list-style-type: none"> 1) Added S = Special/undefined to the available TC codes
February 09, 2011	<ol style="list-style-type: none"> 1) WSL - Added packaging options EH and TH for case size 2816 only. 2) RCWE - Added packaging option EI for case size 1206 only. 3) RCWL - Added packaging option EI for case size 1206 only.

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February 24, 2011	1) Added page for WSLM 2) WSBS - added size 5216 3) WSMS - added sizes 2906, 3124, 3902, and 7807 4) WSLP - added sizes 2726, 3921, 4026, and 5931
June 06, 2011	1) Added EJ package code to WSL/WSLT/WSLP 2) Added size 1206 to WSK 3) Added RJ9 to PACKAGING CODE DEFINITIONS 4) Added 10% tolerance to FP/C6 SPEC CODES for FP01/2 SPEC 5610
July 21, 2011	VISHAY DALE NETWORKS MSM (Military M83401/24) 1) Change VISHAY DALE NETWORK/ARRAY RESISTORS MSM10A-01, -03, -05 (Military M83401/24) to VISHAY DALE NETWORKS MSM (Military M83401/24) 2) Model Column 8 digits to MILITARY STYLE 6 digits Military Style Columns 3) change M8340124 to M83401 Mil. Spec. Sheet 4) change K = 100ppm to K = $\pm 100\text{ppm}/^{\circ}\text{C}$ and M = 300ppm to M = $\pm 300\text{ppm}/^{\circ}\text{C}$ 5) added ne column „TC“ Value Column 6) change „Per std. Mil. Spec. F = $\pm 1.0\%$ C = MSM10A-01-S4 STD LEAD FREE CODES -01 and 03 schematics are three digits plus multiplier. -05 is A001 thru A020. Check datasheet for available value range“ TO „For C and G schematics: 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an “R” is used as a decimal placeholder. For H schematic: Per std MIL spec resistance designator table (All are in format “Axxx”) (NOTE: P/N FORMAT PER MIL-PRF-83401) Check data sheet for available value range“. Tolerance Column 7) Change F = $\pm 1.0\%$, G = $\pm 2.0\%$, J = $\pm 5.0\%$ TO F = $\pm 1\%$, G = $\pm 2\%$, J = $\pm 5\%$ Schematic Column 8) change C = MSM10A-01-S4, G = MSM10A-03-S2, H = MSM10A-05-S3 TO C = Bussed, pin “1” common(MSM10A01-S4), G = Isolated (MSM10A-03-S2), H = Dual Terminator (MSM10A-05-S3) Packaging Column 9) change STD LEAD FREE CODES to STANDARD TIN/LEAD CODES Standard Tin/Lead Codes Column 10) change D03 =tube TO D03 = Tube pack 11) change STD TIN/LEAD SLDC CODES TO STANDARD TIN/LEAD SLDC CODES Standard Tin/Lead SLDC Codes Column 12) change DSL = Tube TO DSL = Tube pack, SLDC 13) change NON-STD TIN/LEAD CODES TO NON-STANDARD TIN/LEAD CODES

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Non-Standard TIN/LEAS Codes Column
14) Removed –Contact Marketing - and Added D29 = Tube pack, parts packaged side-byside, S13 = Tube pack, 5 tube/bundle, with antistatic overpack, S14 = Tube pack, 1 tube/bundle, with antistatic overpack, S15 = Tube pack, individual unit packaging,antistatic, M02, M03, M04, M05, M06, M07, M10, M11,M12, M13, M14, M15 heat seal pack available S03, S30 special pack available.
Vishay Dale Networks MSP (01,03,00)
15) change VISHAY DALE NETWORK/ARRAY RESISTORS MSP (01, 03, 00) TO VISHAY DALE NETWORKS MSP (01, 03, 00)
16) change sap description MSP08A-03 10K 1% EJ e3 TO MSP08A-03 10K 1% EJ e1
Schematic Column
17) add Standard and Non-Standard
Standard
18) change 01 TO 01 = Bussed, pin “1” common AND 03 TO 03 = Isolated
Non-Standard
19) add 02 = Combined group resistors, AND 04 = Bussed, pin “1” and “n” common AND change 00 TO 00 = Custom, per TPI
Value Column
20) change R = DECIMAL TO R = ohms, K = THOUSAND TO K = kilohms, M = MILLION TO M = Megohms
21) add 0000 = 0 ohm jumper or special (value per TPI)
Tolerance Column
22) change F = ±1.0%, G = ±2.0%, J = ±5.0% TO F = ±1%, G = ±2%, J = ±5%
23) add S = Special, per TPI, Z = 0 ohm jumper
Packaging
24) change STD LEAD FREE CODES* TO STANDARD LEAD FREE CODES
25) change STD TIN/LEAD CODES TO STANDARD TIN/LEAD CODES
26) change NON-STD TIN/LEAD CODES TO NON-STANDARD TIN/LEAD CODES
Standard Lead Free Codes
27) change EJ* = Tube TO EJ = Tube pack
Standard Tin/Lead Codes
28) change DA = Tube TO DA Tube pack (D03)
Non-Standard TIN/LEAD Codes
29) remove –contact marketing- and *Leadfree version not currently released
30) add DB = Tube pack, parts packaged side-by-side (D29),
 SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13)
 S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14)
 SB = Tube pack, individual unit packaging,antistatic (S15)
 SL = Custom pack, per TPI (S51)
 M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available SD (S28), SF (S30) special pack available
Special Column
31) add Blank = Standard GENERALUSAGE DASH NUMBERS 400 = HSD
Vishay Dale Networks MSP (05)
32) change VISHAY DALE NETWORK/ARRAY RESISTORS TO VISHAY DALE NETWORKS
Height Column
33) add Standard AND Non-Standard

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Standard

34) change A and C TO A = Low profile and C = High profile

Non-Standard

35) change B TO B = Medium profile

Schematic Column

36) change 05 TO 05 = Dual Terminator

Tolerance Column

37) change F = $\pm 1.0\%$, G = $\pm 2.0\%$, J = $\pm 5.0\%$ TO F = $\pm 1\%$, G = $\pm 2\%$, J = $\pm 5\%$

38) add S = Special, per TPI

Packaging Column

39) change STD LEAD FREE CODES* TO STANDARD LEAD FREE CODES, STD TIN/LEAD CODES TO STANDARD TIN/LEAD CODES, NON-STD TIN/LEAD CODES TO NON-STANDARD TIN/LEAD CODES

Standard Lead Free Codes

40) change EJ* = Tube TO EJ = Tube pack

Standard TIN/LEAD Codes

41) change DA = Tube TO DA = Tube pack (DO3)

Non-Standard TIN/LEAD Codes

42) remove –contact marketing- and *Leadfree version not currently released

43) add DB = Tube pack, parts packaged side-by-side (D29)

SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13)

S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14)

SB = Tube pack, individual unit packaging, antistatic (S15)

SL = Custom pack, per TPI (S51)

M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available SD (S28), SF (S30) special pack available

Special Column

44) add Blank = Standard, GENERAL USAGE DASH NUMBERS 400 = HSD

Vishay Dale Networks R1C / R4C / R5C

45) change VISHAY DALE NETWORK/ARRAY RESISTORS TO VISHAY DALE NETWORKS

Pin Count Column

46) Removed 06, 08, and 16.

47) change 06 - R4C, R5C, 08 - R4C, R5C, 16 - R1C only TO 06 (R4C & R5C), 08 (R4C & R5C), 16 (R1C only).

Schematic Column

48) removed A and B

49) change A – R1c only TO A(R1c only) AND B – R4C, R5C TO B (R4C & R5C)

Value Column

50) change R = decimal, K = thousand, M = million TO R = ohms K = kilohms, M = Megohms

51) removed „Check datasheet for available range“.

Tolerance Column

52) change F = $\pm 1.0\%$, G = $\pm 2.0\%$ TO F = $\pm 1\%$, G = $\pm 2\%$

TC Column

53) change Y = T-13 = 10PPM TO Y = $\pm 10\text{ppm}/^\circ\text{C}$ (T-13)

54) change X = T-10 = 15PPM TO X = $\pm 15\text{ppm}/^\circ\text{C}$ (T-10)

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	<p>55) change E = T-9 = 25PPM TO E = $\pm 25\text{ppm}/^\circ\text{C}$ (T-9) 56) change H = T-2 = 50PPM TO H = $\pm 50\text{ppm}/^\circ\text{C}$ (T-2) 57) change K = T-1 = 100PPM TO K = $\pm 100\text{ppm}/^\circ\text{C}$ (T-1) Packaging Column 58) change STD LEAD FREE CODES TO STANDARD LEAD FREE CODES. 59) change STD TIN/LEAD CODES TO STANDARD TIN/LEAD CODES 60) change NON-STD TIN/LEAD CODES TO NON-STANDARD TIN/LEAD CODES Standard Lead Free Codes 61) change E14* = Bulk TO E14* Bulk pack 62) removed E12* = Bulk Standard TIN/LEAD Codes 62) change B14 = Bulk TO B14 = Bulk pack 63) removed B12 = Bulk S51 = see TPI Non-Standard TIN/LEAD Codes 64) removed „Contact Marketing =“ 65) add P13 = Tube pack, antistatic and S51 = Custom pack, per TPI Special Column 66) add Blank =Standard Vishay Dale Networks SOGC (01, 03, 00) 67) change VISHAY DALE NETWORK/ARRAY RESISTORS TO VISHAY DALE NETWORKS Schematic Column 68) add Standard AND Non-Standard Standard 69) change 01 TO 01 = Bussed, pin “n” common 70) change 03 TO 03 = Isolated Non-Standard 71) change 00 TO 00 = Custom, per TPI Value Column 72) change R = decimal TO R = ohms 73) change K = thousand TO K = kilohms 74) remove 1R00 = .1 ohm 2K75 = 2,750 ohm 75) add M = Megohms 76) change „0000 = 0 ohm jumper or special not defined” TO „0000 = 0 ohm jumper or special (value per TPI)” Packaging Column 77) change STD LEAD FREE CODES* TO STANDARD LEAD FREE CODES 78) change STD TIN/LEAD CODES TO STANDARD TIN/LEAD CODES 79) change NON-STD TIN/LEAD CODES TO NON-STANDARD TIN/LEAD CODES Standard Lead Free Codes 80) change EA* = Reel TO EA = Reel pack 81) change EJ* = Tube TO EJ = Tube pack Standard TIN/LEAD Codes 82) change RZ = Reel TO RZ = Reel pack (R61) 83) change DC = Tube TO DC = Tube pack (D02)</p>

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	<p>Non-Standard TIN/LEAD Codes</p> <p>84) Remove „-Contact Marketing“ and „*Leadfree version not currently released“</p> <p>85) add SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13) S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14) SB = Tube pack, individual unit packaging, antistatic (S15) SL = Custom pack, per TPI (S51) M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available RY (R60), R1 (R97), S9 (S90) reel pack available SF (S30) special pack available</p> <p>Special Column</p> <p>86) add „Blank = Standard“</p> <p>87) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“</p> <p>Vishay Dale Networks SOGC (05)</p> <p>88) change „Vishay Dale Network/Array Resistors“ TO „Vishay Dale Networks“</p> <p>Schematic Column</p> <p>89) change 05 TO 05 = Dual Terminator</p> <p>Tolerance Column</p> <p>90) change F = $\pm 1.0\%$ TO F = $\pm 1\%$</p> <p>91) change G = $\pm 2.0\%$ TO G = $\pm 2\%$</p> <p>92) change J = $\pm 5.0\%$ TO J = $\pm 5\%$</p> <p>93) add S = Special, per TPI</p> <p>Packaging Column</p> <p>94) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“</p> <p>95) change „STD TIN/LEAD FREE CODES“ TO „STANDARD TIN/LEAD CODES“</p> <p>96) change „NON-STD TIN/LEAD FREE CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>97) add „Click to go to Packaging Code Definition page“</p> <p>STANDARD LEAD FREE CODES“</p> <p>98) change EA* = Reel TO EA = Reel pack</p> <p>99) change EJ = Tube TO EJ = Tube pack</p> <p>STANDARD TIN/LEAD CODES“</p> <p>100) change RZ = Reel TO RZ = Reel pack (R61)</p> <p>101) change DC = Tube TO DC = Tube pack (D02)</p> <p>NON-STANDARD TIN/LEAD CODES“</p> <p>102) add SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13) S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14) SB = Tube pack, individual unit packaging, antistatic (S15) SL = Custom pack, per TPI (S51) M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available RY (R60), R1 (R97), S9 (S90) reel pack available SF (S30) special pack available</p> <p>103) Remove „-Contact Marketing“ and „*Leadfree version not currently released“</p> <p>Special Column</p> <p>104) add „Blank = Standard“</p> <p>105) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“</p>

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	<p>Vishay Dale Networks (SOGC 45, 46)</p> <p>106) change „VISHAY DALE NETWORK/ARRAY RESISTORS SOGC (45, 46)“ TO „VISHAY DALE NETWORKS SOGC (45, 46)“ Schematic Column</p> <p>107) remove 16 and 20</p> <p>108) add 45 = TTL/ECL Translator, 46 = Signal Terminator Packaging Column</p> <p>109) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“</p> <p>110) change „STD TIN/LEAD FREE CODES“ TO „STANDARD TIN/LEAD CODES“</p> <p>111) change „NON-STD TIN/LEAD FREE CODES“ TO „NON-STANDARD TIN/LEAD CODES“ STANDARD LEAD FREE CODES“</p> <p>112) change EA* = Reel TO EA = Reel pack</p> <p>113) change EJ* = Tube TO EJ = Tube pack STANDARD TIN/LEAD CODES“</p> <p>114) change RZ = Reel TO RZ = Reel pack (R61)</p> <p>115) change DC = Tube TO DC = Tube pack (D02) NON-STANDARD TIN/LEAD CODES“</p> <p>116) add SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13) S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14) SB = Tube pack, individual unit packaging, antistatic (S15) SL = Custom pack, per TPI (S51) M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available RY (R60), R1 (R97), S9 (S90) reel pack available SF (S30) special pack available</p> <p>117) Remove „-Contact Marketing“ and „*Leadfree version not currently released“ Special Column</p> <p>118) add „Blank = Standard“</p> <p>119) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“</p> <p>Vishay Dale Networks SOMC (01, 03, 00)</p> <p>120) change „VISHAY DALE NETWORK/ARRAY RESISTORS SOMC (01, 03, 00)“ TO „VISHAY DALE NETWORKS SOMC (01, 03, 00)“ Schematic Column</p> <p>121) add Standard and Non-Standard Standard</p> <p>123) change 01 TO 01 = Bussed, pin “n” common</p> <p>124) change 03 TO 03 = Isolated Non-Standard</p> <p>125) change 00 TO 00 = Custom, per TPI Tolerance Column</p> <p>126) change F = $\pm 1.0\%$ TO F = $\pm 1\%$</p> <p>127) change G = $\pm 2.0\%$ TO G = $\pm 2\%$</p> <p>128) change J = $\pm 5.0\%$ TO J = $\pm 5\%$</p> <p>129) change Z = 0 ohm jumper TO Z = 0 ohm jumper</p> <p>130) change S = Special To S = Special, per TPI</p> <p>131) arrange order as (F, G, J, S, Z)</p>

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Packaging Column
132) change „STD LEAD FREE CODES**“ TO „STANDARD LEAD FREE CODES“
133) change „STD TIN/LEAD FREE CODES“ TO „STANDARD TIN/LEAD CODES“
134) change „NON-STD TIN/LEAD FREE CODES“ TO „NON-STANDARD TIN/LEAD CODES“
STANDARD LEAD FREE CODES“
135) change EA* = Reel TO EA = Reel pack
136) change EJ* = Tube TO EJ = Tube pack
STANDARD TIN/LEAD CODES“
137) change RZ = Reel TO RZ = Reel pack (R61)
138) change DC = Tube TO DC = Tube pack (D02)
NON-STANDARD TIN/LEAD CODES“
139) add SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13)
 S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14)
 SB = Tube pack, individual unit packaging, antistatic (S15)
 SL = Custom pack, per TPI (S51)
 M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available RY (R60), R1 (R97), S9 (S90) reel pack
available SF (S30) special pack available
140) add „Click to go to Packaging Code Definition page“
Special Column
141) add „Blank = Standard“
142) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“
Vishay Dale Network/Array Resistors SOMC (05)
Schematic Column
143) change 05 TO 05 = Dual Terminator
Tolerance Column
144) change F = ±1.0% TO F = ±1%
145) change G = ±2.0% TO G = ±2%
146) change J = ±5.0% TO J = ±5%
147) add S = Special, per TPI
Packaging Column
148) change „STD LEAD FREE CODES**“ TO „STANDARD LEAD FREE CODES“
149) change „STD TIN/LEAD FREE CODES“ TO „STANDARD TIN/LEAD CODES“
150) change „NON-STD TIN/LEAD FREE CODES“ TO „NON-STANDARD TIN/LEAD CODES“
STANDARD LEAD FREE CODES“
151) change EA* = Reel TO EA = Reel pack
152) change EJ* = Tube TO EJ = Tube pack
STANDARD TIN/LEAD CODES“
153) change RZ = Reel TO RZ = Reel pack (R61)
154) change DC = Tube TO DC = Tube pack (D02)
NON-STANDARD TIN/LEAD CODES“
155) add SA = Tube pack, 5 tube/bundle, with antistatic overpack (S13)
 S7 = Tube pack, 1 tube/bundle, with antistatic overpack (S14)
 SB = Tube pack, individual unit packaging, antistatic (S15)
Special Column

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	<p>SL = Custom pack, per TPI (S51) M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available RY (R60), R1 (R97), S9 (S90) reel pack available SF (S30) special pack available</p> <p>Value Column 156) change „Impedance code, (2 significant digits and a multiplier followed by an alpha modifier)" TO „Impedance code, 3 digits followed by alpha modifier" Special Column 157) add „Blank = Standard" 158) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering"</p> <p>Vishay Dale Networks SPM 159) change „VISHAY DALE NETWORK/ARRAY RESISTORS SPM" TO „VISHAY DALE NETWORKS SPM" Type Column 160) change „00 to 999 as required" TO „01 thru 99 or 100 thru 999 as required" 161) removed „Use 2 digits for types below 100" 162) removed „Use 3 digits for types 100 and above" Value Column 163) change „First 3 significant digits. Last digit specifies # of 0's. Use "R" for the decimal place in values below 100 ohms." TO „4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an "R" is used as a decimal placeholder." Tolerance Column 164) change F = $\pm 1.0\%$ TO F = $\pm 1\%$ 165) change G = $\pm 2.0\%$ TO G = $\pm 2\%$ 166) change J = $\pm 5.0\%$ TO J = $\pm 5\%$</p> <p>Packaging Column 167) change „STD CODES" TO „STANDARD CODES" 168) change „NON-STD CODES" TO „NON-STANDARD CODES" STANDARD CODES" 169) change „S51 = per TPI" TO „S51 = Custom pack, per TPI" NON-STD CODES 170) remove „-Contact Marketing-" 171) add M18 = Tray pack, w/ESD 172) add R78 = Reel pack, Embossed carrier tape, 7" reel, w/ESD</p> <p>Vishay Dale Networks SPMX 173) change „VISHAY DALE NETWORK/ARRAY RESISTORS SPMX" TO „VISHAY DALE NETWORKS SPMX" Type Column 174) add „001 thru 999 as required" Packaging Column 175) change „STD CODES" TO „STANDARD CODES" STANDARD CODES" 176) change „S51 = per TPI" TO „51 = Custom pack, per TPI" 177) add „Click to go to Packaging Code Definition page"</p>

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	<p>Vishay Techo Film Resistors CDHV</p> <p>178) change „Resistance Value of R1 4 Digits“ TO „Resistance Value (R1) 4 Digits“ Model Column</p> <p>179) change „CDHV 2512 Size Only“ TO „CDHV (2512-size only)“ Termination Style Column</p> <p>180) change „A = Wrap Around“ TO „A = 3-sided, wraparound“</p> <p>181) change „B = Top Only“ TO „B = Flip chip (top side only)“ Resistance Value (R1) columns</p> <p>182) removed Examples removed 20M0 = 20M removed 80M0 = 800M removed 20G0 = 20G</p> <p>183) change „M = Million“ TO „M = Megohms“</p> <p>184) change „G = Billion“ TO „G = Gigohms“</p> <p>Abs. Tol. Column</p> <p>185) change „F = 1%“ TO „F = ±1%“</p> <p>186) change „G = 2%“ TO „G = ±2%“</p> <p>187) change „H = 3%“ TO „H = ±3%“</p> <p>188) change „J = 5%“ TO „J = ±5%“</p> <p>189) change „K = 10%“ TO „K = ±10%“</p> <p>190) change „M = 20%“ TO „M = ±20%“</p> <p>Ratio Tol. Column</p> <p>191) removed „F = 1%“</p> <p>192) change „G = 2%“ TO „G = ±2%“</p> <p>193) change „H = 3%“ TO „H = ±3%“</p> <p>194) change „J = 5%“ TO „J = ±5%“</p> <p>Packaging Column</p> <p>195) change „Pkg Type“ TO „PACKAGING“</p> <p>196) add „SOLDER TERMINATION“ column and „PACKAGING TYPE“ column inside PACKAGING Column</p> <p>SOLDER TERMINATION Column</p> <p>197) add STANDARD LEADFREE CODES</p> <p>198) add STANDARD TIN/LEAD CODES</p> <p>199) add NON-STANDARD TIN/LEAD CODES</p> <p>200) add „*NOTE – Package code includes both Solder Termination and Packaging Type“</p> <p>Standard Leadfree Codes</p> <p>201) add E = Sn100 (e3)</p> <p>202) add F = Sn95/Ag5, HSD (e2)</p> <p>203) add N = No Solder (all Termination Materials except Nickel barrier)</p> <p>Standard TIN/LEAD Codes</p> <p>204) add T = Sn90/Pb10</p> <p>205) add S = Sn62/Pb36/Ag2, HSD</p> <p>Non-Standard TIN/LEAD Codes</p> <p>206) add R = Sn60/Pb40</p>

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	<p>207) add „P = Sn63/Pb37, HSD“ Packaging Type</p> <p>208) add Standard Codes</p> <p>209) add Non-Standard Codes Standard Codes</p> <p>210) change „B = Bulk“ TO „B = Bulk pack“</p> <p>211) change „F = ESD Waffle“ TO „F = Reel pack, Embossed carrier tape, 7" reel, full reel quantity“</p> <p>212) add 1 = Reel pack (std taping except 1,000pcs/reel) 5 = Reel pack (std taping except 500pcs/reel)</p> <p>213) change „T = Tape“ TO „T = Reel pack (std taping except 250pc min/reel)“</p> <p>214) change „W = Waffle“ TO „W= Tray pack“</p> <p>Non-Standard Codes</p> <p>215) change „R = ESD Tape“ TO „R = Reel pack, ESD (std taping except 250pc min/reel)“</p> <p>216) add M = Reel pack (std taping except 250pcs/reel) 2 = Reel pack (std taping except 2,000pc/reel)</p> <p>Vishay Techno Film Resistors CDHV (Custom)</p> <p>217) change „VISHAY TECHNO FILM RESISTORS CDHV (CUSTOM)“ TO „VISHAY TECHNO FILM RESISTORS CDHV (CUSTOM)“</p> <p>218) combine Solder Termination Column and Packaging Column under 1 column (PACKAGING COLUMN) Custom Part Number Column</p> <p>219) change „TCX0917-0000“ TO „TCX2017-0000 = TCX2017“. Packaging Column (Solder Termination)</p> <p>220) add Standard Leadfree Codes</p> <p>221) add Standard TIN/LEAD Codes</p> <p>222) add Non-Standard TIN/LEAD Codes</p> <p>223) change „*NOTE – Package code includes this column and the next“ TO „*NOTE – Package code includes both Solder Termination and Packaging Type“ Standard Leadfree Codes</p> <p>224) change „E = Sn100 =e3“ TO „E = Sn100 (e3)“</p> <p>225) change „F = Sn95/Ag5 =e2“ TO „F = Sn95/Ag5, HSD (e2)“</p> <p>226) change „N = No Solder“ TO „N = No Solder (all Termination Materials except Nickel barrier)“ Standard TIN/LEAD Codes</p> <p>227) placed T = Sn90/Pb10 under this category</p> <p>228) change „S = Sn62/Pb36/Ag2“ TO „S = Sn62/Pb36/Ag2, HSD“ Non-Standard TIN/LEAD Codes</p> <p>229) placed R = Sn60/Pb40 under this category</p> <p>230) change „P = Sn63/Pb37“ TO „P = Sn63/Pb37, HSD“ Packaging Column under (Packaging Type)</p> <p>231) add Standard Codes</p> <p>232) add Non-Standard Codes Standard Codes</p> <p>233) change „B = Bulk“ TO „B = Bulk pack“</p> <p>234) change „F = ESD Waffle“ TO „F = Reel pack, Embossed carrier tape, 7" reel, full reel“</p> <p>235) add 1 = Reel pack (std taping except 1,000pcs/reel)</p>

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236) add 5 = Reel pack (std taping except 500pcs/reel)
237) change „T = Tape“ TO „T = Reel pack (std taping except 250pc min/reel)“
238) change „W = Waffle“ TO „W = Tray pack“
Non-Standard Codes
239) change „R = ESD Tape“ TO „R = Reel pack, ESD (std taping except 250pc min/reel)“
240) add M = Reel pack (std taping except 250pcs/reel)
2 = Reel pack (std taping except 2,000pc/reel)
Vishay Techno Film Resistors CRHV
241) change „Tol“ column TO „TOLERANCE“ column
242) change „TCR“ column TO „TC“ column
243) combine Solder Termination Column and Pkg Type under 1 column (PACKAGING COLUMN)
244) change „Pkg Type“ TO „PACKAGING TYPE“
Termination Column
245) change „A = 3-Sided“ TO „A = 3-sided, Wraparound“
change „B = Top Only“ TO „B = Flip chip (top side only)“
change „C = 5-Sided“ TO „C = 5-sided, Wraparound“
Resistance Column
246) removed Examples
4M70 = 4.7M
10M0 = 10M
10G0 = 10G
247) change „M = Million“ TO „M = Megohms“
change „G = Billion“ TO „G = Gigohms“
TC Column
248) change „K = 100ppm“ TO „K = ±100ppm/°C“
change „L = 150ppm“ TO „L = ±150ppm/°C“
change „N = 200ppm“ TO „N = ±200ppm/°C“
change „R = 250ppm“ TO „R = ±250ppm/°C“
change „M = 300ppm“ TO „M = ±300ppm/°C“
change „W = 350ppm“ TO „W = ±350ppm/°C“
change „P = 500ppm“ TO „P = ±500ppm/°C“
Packaging Column under (Solder Termination)
249) add Standard Leadfree Codes
250) add Standard TIN/LEAD Codes
251) add Non-Standard Codes
Standard Leadfree Codes
252) change „E = Sn100 =e3“ TO „E = Sn100 (e3)“
change „F = Sn95/Ag5=e2“ TO „F = Sn95/Ag5, HSD (e2)“
change „N = No Solder“ TO „N = No Solder (for all Termination Materials except Nickel barrier)“
Standard TIN/LEAD Codes
253) placed T = Sn90/Pb10 under this category
254) change „S = Sn62/Pb36/Ag2“ TO „S = Sn62/Pb36/Ag2, HSD“

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	<p>Non-Standard TIN/LEAD Codes 256) placed R = Sn60/Pb40 under this category 257) change „P = Sn63/Pb37“ TO „P = Sn63/Pb37, HSD“ 258) change „*NOTE – Package code includes this column and the next“ TO „*NOTE – Package code includes both Solder Termination and Packaging Type“ Packaging Column under (Packaging Type) 259) add Standard Codes 260) add Non-Standard Codes Standard Codes 261) change „B = Bulk“ TO „B = Bulk pack“ 262) change „F = Full Reel“ TO „F = Reel pack, Embossed carrier tape, 7" reel, full reel“ 263) change „1 = Tape (1K/1K)“ TO „1 = Reel pack (std taping except 1,000pcs/reel)“ change „5 = Tape (500/500)“ TO „5 = Reel pack (std taping except 500pcs/reel)“ 264) change „T = Tape“ TO „T = Reel pack (std taping except 250pc min/reel)“ change „W = Waffle“ TO „W = Tray pack“ Non-Standard Codes 265) change „R = ESD Tape“ TO „R = Reel pack, ESD (std taping except 250pc min/reel)“ 266) change „M = Tape (250/250)“ TO „M = Reel pack (std taping except 250pcs/reel)“ change „2 = Tape (2K/2K)“ TO „2 = Reel pack (std taping except 2,000pc/reel)“ Vishay Techno Film Resistors CRHV (custom) 267) change „Packaging“ TO „Pack Type“ 268) combine Solder Termination Column and Pack Type under 1 column (PACKAGING COLUMN) Packaging Column under (Solder Termination) 269) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard TIN/LEAD Codes 270) change „*NOTE – Package code includes this column and the next“ TO „*NOTE – Package code includes both Solder Termination and Packaging Type“ Standard Leadfree Codes 271) change „E = Sn100 =e3“ TO „E = Sn100 (e3)“ change „F = Sn95/Ag5 =e2“ TO „F = HSD, Sn95/Ag5 (e2)“ 272) place N = No Solder under this category Standard TIN/LEAD Codes 273) change „S = Sn62/Pb36/Ag2“ TO „S = HSD, Sn62/Pb36/Ag2“ 274) place T = Sn90/Pb10 under this category Non-Standard TIN/LEAD Codes 275) place R = Sn60/Pb40 under this category 276) change „P = Sn63/Pb37“ TO „P = HSD, Sn63/Pb37“ Packaging Column under (Pack Type) 277) add Standard Codes add Non-Standard Codes Standard Codes 278) change „B = Bulk“ TO „B = Bulk pack“</p>

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	<p>279) change „F = ESD Waffle“ TO „F = Reel pack, full reel quantity“ change „T = Tape“ TO „T = Reel pack, 250pc min/reel“ change „W = Waffle“ TO „W = Tray pack“</p> <p>280) add 1 = Reel pack, 1000pcs/reel add 5 = Reel pack, 500pcs/reel</p> <p>Non-Standard Codes</p> <p>281) change „R = ESD Tape“ TO „R = Reel pack, ESD, 250pc min/reel“</p> <p>282) add 2 = Reel pack, 2000pc/reel</p> <p>Vishay Techno Film Resistors CRMV</p> <p>283) change „Pkg Type“ TO „Pack Type“</p> <p>284) combine Solder Termination Column and Pack Type under 1 column (PACKAGING COLUMN) Termination Style Column</p> <p>285) change „A = 3-Sided“ TO „A = 3-sided, Wraparound“ change „B = Top Only“ TO „B = Flip chip (top side only)“</p> <p>Resistance Column</p> <p>286) change „R = Decimal“ TO „R = ohms“ change „K = Thousand“ TO „K = kilohms“ change „M = Million“ TO „M = Megohms“</p> <p>287) remove 100R = 110, 49K9 = 49.9K, 10M0 = 10M</p> <p>288) add Examples 4M70 = 4.7M 10M0 = 10M 10G0 = 10G</p> <p>Tol Column</p> <p>289) add „±“ symbol to all the values</p> <p>TCR Column</p> <p>290) change „L = 150ppm“ TO „L = ±150ppm“</p> <p>291) add K = ±100ppm add N = ±200ppm add R = ±250ppm add M = ±300ppm add W = ±350ppm add P = ±500ppm</p> <p>Packaging Column under (Solder Termination)</p> <p>292) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard Codes</p> <p>293) add *NOTE – Package code includes both Solder Termination and Packaging Type Standard Leadfree Codes</p> <p>294) placed E = Sn100 (e3) under this category</p> <p>295) change „F = Sn95/Ag5 (e2)“ TO „F = HSD, Sn95/Ag5 (e2)“ change „N = No Solder“ TO „N = No Solder (for all Termination Materials except Nickel barrier)“</p>

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	<p>Standard TIN/LEAD Codes 296) placed T = Sn90/Pb10 under this category 297) change „S = Sn62/Pb36/Ag2" TO „S = HSD, Sn62/Pb36/Ag2" Non-Standard TIN/LEAD Codes 298) add R = Sn60/Pb40 add P = HSD, Sn63/Pb37 Packaging Column under (Pack Type) 299) add Standard Codes add Non-Standard Codes Standard Codes 300) change „B = Bulk" TO „B = Bulk pack" change „T = Tape" TO „T = Reel pack, 250pc min/reel" change „W = Waffle" TO „W= Tray pack" 301) add F = Reel pack, full reel quantity 1 = Reel pack, 1000pcs/reel 5 = Reel pack, 500pcs/reel Non-Standard Codes 302) add R = Reel pack, ESD, 250pc min/reel add M = Reel pack, 250pcs/reel add 2 = Reel pack, 2000pc/reel Vishay Techno Film Resistors FHV Resistance Column 303) change „R = Decimal" TO „R = ohms" change „K = Thousand" TO „K = kilohms" change „M = Million" TO „M = Megohms" change „G = Billion" TO „G = Gigohms" Tol Column 304) add „±" to all the values under this column Temperature Coefficient 305) add „±" to all the values under this column Terminal Finish/Packaging Column 306) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard Leadfree Codes Standard Leadfree Codes 307) change „EB = Sn100 = e3, Bulk" TO „EB = Bulk pack, Sn100 terminal finish (e3)" change „ES = Sn100 = e3, Strip" TO „ES = Strip pack, Sn100 terminal finish (e3)" Standard TIN/LEAD Codes 308) change „RB = Sn60/Pb40, Bulk" TO „RB = Bulk pack, Sn60/Pb40 terminal finish" change „RS = Sn60/Pb40, Strip" TO „RS = Strip pack, Sn60/Pb40 terminal finish"</p>

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	<p>Non-Standard Leadfree Codes 309) add FB = Bulk pack, Sn95/Ag5 terminal finish (e2) FS = Strip pack, Sn95/Ag5 terminal finish (e2) Vishay Techno Film Resistors FHV (CUSTOM) Terminal Finish/Packaging 310) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard Leadfree Codes Standard Leadfree Codes 311) change „EB = Sn100 = e3, Bulk“ TO „EB = Bulk pack, Sn100 terminal finish (e3)“ change „ES = Sn100 = e3, Strip“ TO „ES = Strip pack, Sn100 terminal finish (e3)“ Standard TIN/LEAD Codes 312) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack, Sn60/Pb40 terminal finish“ change „RS = Sn60/Pb40, Strip“ TO „RS = Strip pack, Sn60/Pb40 terminal finish“ Non-Standard Leadfree Codes 313) change „FB = Sn95/Ag5 =e2, Bulk“ TO „FB = Bulk pack, Sn95/Ag5 terminal finish (e2)“ change „FS = Sn95/Ag5 =e2, Strip“ TO „FS = Strip pack, Sn95/Ag5 terminal finish (e2)“ change „NB = No solder, Bulk“ TO „NB = Bulk pack, No solder“ change „NS = No solder, Strip“ TO „NS = Strip pack, No solder“ Vishay Techno Film Resistors RC (former CR) 314) change „Pkg Type“ TO „Pack Type“ 315) combine „Soldering Termination“ and „Pack Type“ under one column (PACKAGING) Termination Style Column 316) change „A = 3 Sided“ TO „A = 3-sided, Wraparound“ change „B = Top Only“ TO „B = Flip chip (top side only)“ change „C = 5 Sided“ TO „C = 5-sided, Wraparound“ Termination Material Column 317) change „B = Platinum Palladium Gold“ TO „B = Platinum Gold“ change „E = Palladium Gold“ TO „E = Platinum Palladium Gold“ Tolerance Column 318) add „±“ to all values under this column TCR Column 319) add „±“ to all values under this column Packaging Column under (Solder Termination) 320) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard Leadfree Codes 321) change „*NOTE – Package Code includes this column and the next“ TO „*NOTE – Package code includes both Solder Termination and Packaging Type“ Standard Leadfree Codes 322) placed E = Sn100 =e3 under this category placed N = No Solder 323) change „F = Sn95/Ag5=e2“ TO „F = HSD, Sn95/Ag5 1(e2)“</p>

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	<p>Standard TIN/LEAD Codes 324) place T = Sn90/Pb10 under this category 325) change „S = Sn63/Pb36/Ag2“ TO „S = HSD, Sn62/Pb36/Ag2“</p> <p>Non-Standard Leadfree Codes 326) placed „R = Sn60/Pb40“ into this category 327) change „P = Sn63/Pb37“ TO „P = HSD, Sn63/Pb37“</p> <p>Packaging Column under (Pack Type) 328) add Standard Leadfree Codes add Non-Standard Codes</p> <p>Standard Leadfree Codes 329) change „B = Bulk“ TO „B = Bulk pack“ change „F = ESD Waffle“ TO „F = Reel pack, full reel quantity“ change „T = Tape“ TO „T = Reel pack, 250pc min/reel“ change „W = Waffle“ TO „W = Tray pack“</p> <p>330) add 1 = Reel pack, 1000pcs/reel add 5 = Reel pack, 500pcs/ree</p> <p>Non-Standard Codes 331) change „R = ESD“ TO „R = Reel pack, ESD, 250pc min/reel“ 332) add M = Reel pack, 250pcs/reel add 2 = Reel pack, 2000pc/reel</p> <p>Vishay Techno Film Resistors RCHR 333) change „Pkg Type“ TO „Pack Type“ 334) combine „Soldering Termination“ and „Pack Type“ under one column (PACKAGING)</p> <p>Termination Style Column 335) change „A = 3-Sided“ TO „A = 3-sided, Wraparound“ change „B = Top Only“ TO „B = Flip chip (top side only)“</p> <p>Resistance Columns 336) change „K = Thousand“ TO „K = kilohm“ change „M = Million“ TO „M = Megohms“ change „G = Billion“ TO „G = Gigohms“</p> <p>Tol Column 337) add „±“ to all values under this column</p> <p>TCR 338) change „P = 500ppm“ TO „P = ±500ppm“</p> <p>Packaging Column under (Solder Termination) 339) add Standard Leadfree Codes add Standard TIN/LEAD Codes add „*NOTE – Package code includes this column and the next“</p> <p>Standard Leadfree Codes 340) place E = Sn100 (e3) under this category 341) change „F = Sn95/Ag5 (e2)“ TO „F = HSD, Sn95/Ag5(e2)“ change „N = No Solder“ TO „N = No Solder (for Gold terminations)“</p>

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Standard TIN/Lead Codes

- 342) place T = Sn90/Pb10 under this category
343) change „S = Sn62/Pb36/Ag2" TO „S = HSD, Sn62/Pb36/Ag2"
Packaging Column under (Pack Type)

345) add Standard Codes

add Non-Standard Codes

Standard Codes

- 346) change „B = Bulk" TO „B = Bulk pack"
change „W = Waffle" TO „W = Tray pack"
change „T = Tape" TO „T = Reel pack, 250pc min/reel"

347) add F = Reel pack, full reel quantity

add 1 = Reel pack, 1000pcs/reel
add 5 = Reel pack, 500pcs/reel

Non-Standard Codes

- 348) add R = Reel pack, ESD, 250pc min/reel
add M = Reel pack, 250pcs/reel
add 2 = Reel pack, 2000pc/reel

Vishay Techno Film Resistors TD (CUSTOM)

Terminal Finish/Packaging

- 349) add Standard Leadfree Codes
add Standard TIN/LEAD Codes
add Non-Standard Leadfree Codes
add Non-Standard TIN/LEAD Codes

Standard Leadfree Codes

- 350) change „EB = Sn100 =e3, Bulk" TO „EB = Bulk pack, Sn100 terminal finish (e3)"
change „ES = Sn100 =e3, Strip" TO „ES = Strip pack, Sn100 terminal finish (e3)"

Standard TIN/LEAD Codes

- 351) change „RB = Sn60/Pb40, Bulk" TO „RB = Bulk pack, Sn60/Pb40 terminal finish"
change „RS = Sn60/Pb40, Strip" TO „RS = Strip pack, Sn60/Pb40 terminal finish"

Non-Standard Leadfree Codes

- 352) change „EW = Sn100 =e3, Tray" TO „EW = Tray pack, Sn100 terminal finish (e3)"
change „FB = Sn95/Ag5 =e2, Bulk" TO „FB = Bulk pack, Sn95/Ag5 terminal finish (e2)"
change „FS = Sn95/Ag5 =e2, Strip" TO „FS = Strip pack, Sn95/Ag5 terminal finish (e2)"
change „FW = Sn95/Ag5 =e2, " TO „FW = Tray pack, Sn95/Ag5 terminal finish (e2)"

Non-Standard TIN/LEAD Codes

- 353) change „RW = Sn60/Pb40, Tray" TO „RW = Tray pack, Sn60/Pb40 terminal finish"
354) remove NB = No solder, Bulk, NS = No solder, Strip, NW = No solder, Tray
355) add PB = Bulk pack, Sn63/Pb37 terminal finish
add PS = Strip pack, Sn63/Pb37 terminal finish
add PW = Tray pack, Sn63/Pb37 terminal finish

Vishay Techno Film Resistors TR

Resistance Column

- 356) change „R = Decimal" TO „R = ohms"

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357) change „K = Thousand“ TO „K = kilohms“
change „M = Million“ TO „M = Megohms“
change „G = Billion“ TO „G = Gigohms“
change „T = Trillion“ TO „T = Teraohms“
Tol. Column
358) add „±“ to all the values under this column
TCR Column
369) add „±“ to all the values under this column
370) add S = Special (TC undefined)
Terminal Finish/Packaging Column
371) add Standard Leadfree Codes
add Standard TIN/LEAD Codes
Standard Leadfree Codes
372) change „EB = Sn100 =e3, Bulk“ TO „EB = Bulk pack, Sn100 terminal finish (e3)“
change „ES = Sn100 =e3, Strip“ TO „ES = Strip pack, Sn100 terminal finish (e3)“
Standard TIN/LEAD Codes
373) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack, Sn60/Pb40 terminal finish“
change „RS = Sn60/Pb40, Strip“ TO „RS = Strip pack, Sn60/Pb40 terminal finish“
Vishay Techno Film Resistors TR (CUSTOM)
374) add Standard Leadfree Codes
add Standard TIN/LEAD Codes
add Non-Standard Leadfree Codes
add Non-Standard TIN/LEAD Codes
Standard Leadfree Codes
375) change „EB = Sn100 =e3, Bulk“ TO „EB = Bulk pack, Sn100 terminal finish (e3)“
change „ES = Sn100 =e3, Strip“ TO „ES = Strip pack, Sn100 terminal finish (e3)“
Standard TIN/LEAD Codes
376) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack, Sn60/Pb40 terminal finish“
change „RS = Sn60/Pb40, Strip“ TO „RS = Strip pack, Sn60/Pb40 terminal finish“
Non-Standard Leadfree Codes
377) change „EW = Sn100 = e3, Tray“ TO „EW = Tray pack, Sn100 terminal finish (e3)“
change „NB = No solder, Bulk“ TO „NB = Bulk pack, No Solder“
change „NS = No solder, Strip“ TO „NS = Strip pack, No Solder“
change „NW = No solder, Tray“ TO „NW = Tray pack, No Solder“
378) add EC = Custom pack, per TPI, Sn100 terminal finish (e3)
add NC = Custom pack, per TPI, No Solder
Non-Standard TIN/LEAD Codes
379) change „RW = Sn60/Pb40, Tray“ TO „RW = Tray pack, Sn60/Pb40 terminal finish“
380) add RC = Custom pack, per TPI, Sn60/Pb40 terminal finish
Vishay Techno Networks MCN
381) SAP Part Number change „MCN1009X103MTB“ TO „MCN1009X103MCB“
382) SAP Description change „MCN10-09X-103M TB“ TO „MCN10-09X-103M CB e1“
383) change column header „Number of Pins 2 Digits“ TO „PIN COUNT 2 digits“

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384) change column header „Capacitor Type“ TO „Capacitor Dielectric“
change column header „Capacitance Value (pF)“ TO „CAPACITANCE VALUE“
change column header „Terminal Finish/Packaging“ TO „Packaging“
Capacitance Value
385) remove Examples
101 = 100pF
103 = 10000pF
386) change „First 2 Digits are significant figures and the last Digit specifies the number of zeros to follow“ TO „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“
Capacitance Tolerance Column
387) add „±“ to all values under this column
Packaging Column
388) add Standard Leadfree Codes
add Standard TIN/LEAD Codes
Standard Leadfree Codes
389) change „CB = Sn95.5/Ag3.9/Cu0.6, Bulk“ TO „CB = Bulk pack“
Standard TIN/LEAD Codes
390) change „TB = Sn90/Pb10, Bulk“ TO „TB = Bulk pack“
Vishay Techno Networks MRCN
391) SAP Part Number change „MRCN103X102J470MTB“ TO „MRCN103X102J470MCB“
392) SAP Description change „MRCN10-30X-102J/470M TB“ TO „MRCN10-30X-102J/470M CB e1“
393) change column header „Number of Pins 2 Digits“ TO „PIN COUNT 2 digits“
394) change column header „Capacitor Type“ TO „Capacitor Dielectric“
change column header „Capacitance Value (pF)“ TO „CAPACITANCE VALUE“
change column header „Terminal Finish/Packaging“ TO „Packaging“
Resistance Value Column
395) remove Examples
500 = 50
102 = 1000
396) change „First 2 digits are significant figures and the last Digit specifies the number of zeros“ TO „3-digit numeric code where the first two digits are the significant figures and the last digit is the multiplier.“
Resistance Tolerance Column
397) add „±“ to all the values under this column
Capacitance Value Column
398) remove Examples
471 = 470pF
104 = .1uF
399) change „First 2 digits are significant figures and the last Digit specifies the number of zeros to follow.“ TO „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“
Capacitance Tolerance
400) add „±“ to all values under this column
Packaging Column
401) add Standard Leadfree Codes

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	<p>402) add Standard TIN/LEAD Codes Standard Leadfree Codes</p> <p>403) change „CB = Sn95.5/Ag3.9/Cu0.6, Bul“ TO „CB = Bulk pack“ change „CW =Sn95.5/Ag3.9/Cu0.6,Tray“ TO „CW = Tray pack“ Standard TIN/LEAD Codes</p> <p>404) change „TB = Sn90/Pb10, Bulk“ TO „TB = Bulk pack“ change „TW = Sn90/Pb10, Tray“ TO „TW = Tray pack“</p> <p>Vishay Techno Networks NETxTCX (CUSTOM SIPs, DIPs)</p> <p>405) remove Terminal Finish/Packaging column Add Terminal Finish column and Packaging Type column under PACKAGING COLUMN Custom Part Number</p> <p>406) change example „1002-0000 = TCX1002“ TO „TCX1002-0000 = TCX1002“ Change example „0843-0001 = TCX0843-1“ TO „TCX0843-0001 = TCX0843-1“ PACKAGING Column (Terminal Finish)</p> <p>407) add Standard Leadfree Codes Add Standard TIN/LEAD Codes add „* NOTE – Package code includes both Terminal Finish and Packaging Type“ Standard Leadfree Codes</p> <p>408) add F = Sn95/Ag5 (e2) Add C = Sn95.5/Ag3.9/Cu0.6 (e1) Add N = No Solder Standard TIN/LEAD Codes</p> <p>409) add T = Sn90/Pb10 add S = Sn62/Pb36/Ag2 add R = Sn60/Pb40 add P = Sn63/Pb37 PACKAGING column (Packaging Type)</p> <p>410) add Standard Codes Standard Codes</p> <p>411) add B = Bulk pack add T = Tube pack add W= Tray pack add C = Custom pack, per TPI</p> <p>Vishay Techno Networks QUADTCX (CUSTOM QUADs)</p> <p>412) change in SAP Description „QUAD TCX0368-1 SN60/40 B“ TO „QUAD TCX0368-1 RB“</p> <p>413) change heading name „Leading Termination/Packaging“ TO „Packaging“ Custom Part Number Column</p> <p>414) change example „0377-0000 = TCX0377, 0368-0001 = TCX0368-1“ TO „TCX0377-0000 = TCX0377, TCX0368-0001 = TCX0368-1“ Packaging Column</p> <p>415) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack“ change „RT = Sn60/Pb40, Tape“ TO „RT = Reel pack“</p>

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	<p>Vishay Techno Networks TCN</p> <p>416) change SAP Part Number „TCN1209N102KTB“ TO „TCN1009N102KCB“ change SAP Description „TCN12-09N-102K TB“ TO „TCN10-09N-102K CB e1“</p> <p>417) change Heading name „No. of Pins“ TO „PIN COUNT“ change Heading name „Capacitor Type“ TO „CAPACITOR DIELECTRIC“ change Heading name „Capacitance Value (pF)“ TO „CAPACITANCE VALUE“ change Heading name „Terminal Finish/Packaging“ TO „PACKAGING“</p> <p>Capacitance Value</p> <p>418) remove Examples 101 = 100pF 103 = 10000pF</p> <p>419) change „First 2 Digits are significant figures and the last Digit specifies the number of zeros to follow.“ TO „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“</p> <p>420) change K = 10% TO K = ±10% M = 20% M = ±20%</p> <p>421) add Standard Leadfree Codes add Standard TIN/LEAD Codes</p> <p>Standard Leadfree Codes</p> <p>422) change „CB = Sn95.5/Ag3.9/Cu0.6, Bulk“ TO „CB = Bulk pack“</p> <p>Standard TIN/LEAD Codes</p> <p>423) change „TB = Sn90/Pb10, Bulk“ TO „TB = Bulk pack“</p> <p>Vishay Techno Networks TCX*</p> <p>424) change „VISHAY TECHNO NETWORKS TCX“ TO „VISHAY TECHNO NETWORKS TCX**“</p> <p>425) rename „Pkg Type“ heading TO „PACKAGING TYPE“</p> <p>426) change „Terminal Finish *NOTE – Package code includes this column and the next“ TO „TERMINAL FINISH“</p> <p>427) group Terminal Finish column and Packaging column Under (PACKAGING column)</p> <p>Custom Part Number</p> <p>428) change Examples: TO Examples: 1002-0000 1002-0000 = TCX1002</p> <p>Packaging (Terminal Finish) column</p> <p>429) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Other Codes</p> <p>430) add „*NOTE – Package code includes this column and the next“</p> <p>Standard Leadfree Codes</p> <p>431) change „E = SN=e3“ TO „E = Sn100 (e3)“ change „F = SN95/5=e2“ TO „F = Sn95/Ag5 (e2)“ change „C = Sn95.5/Ag3.9/Cu0.6“ TO „C = Sn95.5/Ag3.9/Cu0.6 (e1)“</p> <p>Standard TIN/LEAD Codes</p> <p>432) place T = Sn90/Pb10, S = Sn62/Pb36/Ag2, R = Sn60/Pb40, P = Sn63/Pb37 under this category</p> <p>Other Codes</p> <p>433) change „X = Special“ TO „X=Special, per TPI (termination material specified by customer)“</p>

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	<p>Packaging (Terminal Finish) column</p> <p>434) add Standard Codes Standard Codes</p> <p>435) arrange data as (B, S, T, W, C)</p> <p>436) change „B = Bulk“ TO „B = Bulk pack“ change „S = Strip“ TO „S = Strip pack“ change „T = Tube“ TO „T = Tube pack“ change „W = Tray“ TO „W = Tray pack“ change „C = Custom“ TO „C = Custom pack, per TPI“</p> <p>Vishay Techno Networks TRC</p> <p>437) change SAP Part Number „TRC0901X220G390KTB“ TO „TRC0901X220G390KCB“</p> <p>438) change SAP Description „TRC09-01X-220G/390K TB“ TO „TRC09-01X-220G/390K CB e1“</p> <p>439) change Heading name „No. of Pins“ TO „PIN COUNT“ change Heading name „Capacitor Type“ TO „CAPACITOR DIELECTRIC“ change Heading name „Capacitance Value (pF)“ TO „CAPACITANCE VALUE“ change Heading name „Terminal Finish/Packaging“ TO „PACKAGING“</p> <p>Resistance Value Column</p> <p>440) remove Examples 101 = 100 220 = 22</p> <p>441) change „First 2 Digits are significant figures and the last Digit specifies the number of zeros to follow.“ TO „3-digit numeric code where the first two digits are the significant figures and the last digit is the multiplier.“</p> <p>Resistance Tolerance Column</p> <p>442) change F = 1% TO F = ±1% G = 2% G = ±2% J = 5%t J = ±5%</p> <p>Capacitance Value Column</p> <p>443) remove Examples 101 = 100pF 560 = 56pF</p> <p>444) change „First 2 Digits are significant figures and the last Digit specifies the number of zeros to follow.“ TO „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“</p> <p>Capacitance Tolerance Column</p> <p>445) change K = 10% TO K = ±10% M = 20% M = ±20%</p> <p>Packaging Column</p> <p>446) add Standard Leadfree Codes add Standard TIN/LEAD Codes Standard Leadfree Codes</p> <p>447) change „CB =Sn95.5/Ag3.9/Cu0.6,Bulk“ TO „CB = Bulk pack“ Standard TIN/LEAD Codes</p> <p>448) change „TB = Sn90/Pb10,Bulk“ TO „TB = Bulk pack“</p>

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	<p>Vishay Techno Networks TSR</p> <p>449) change in SAP Part Number „TSR100RFFFB“ TO „TSR100RFFCB“ 450) change in SAP Description „TSR100RFF FB e2“ TO „TSR100RFF CB e1“ 451) change in Heading „Terminal Finish/Packaging“ TO „Packaging“</p> <p>Resistance Tolerance Column 452) change C = 0.25% TO C = ±0.25% D = 0.50% D = ±0.5% F = 1.0% F = ±1%</p> <p>Ratio Tolerance 453) change C = 0.25% TO C = ±0.25% D = 0.50% D = ±0.5% F = 1.0% F = ±1%</p> <p>Packaging Column 454) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard Leadfree Codes</p> <p>Standard Leadfree Codes 455) change „CB = Sn95.5/Ag3.9/Cu0.6, Bulk“ TO „CB = Bulk pack (SnAgCu solder)“ change „CS = Sn95.5/Ag3.9/Cu0.6, Strip“ TO „CS = Strip pack (SnAgCu solder)“</p> <p>Standard TIN/LEAD Codes 456) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack“ change „RS = Sn60/Pb40, Strip“ TO „RS = Strip pack“</p> <p>Non-Standard Leadfree Codes 457) change „FB = Sn95/Ag5 = e2, Bulk“ TO „FB = Bulk pack (SnAg solder)“ change „FS = Sn95/Ag5 = e2, Strip“ TO „FS = Strip pack (SnAg solder)“</p> <p>Vishay Techno Networks TSR (CUSTOM)</p> <p>458) change in SAP Part Number „TSR100RFFFB“ TO „TSR100RFFCB“ change in SAP Part Number „TSR100RFF FB e2“ TO „TSR100RFF CB e1“</p> <p>459) change in SAP Description „TSR100RFF FB e2“ TO „TSR100RFF CB e1“ change in SAP Description „TSR100RFF FB e2“ TO „TSR100RFF CB e1“</p> <p>460) rename Heading „Terminal Finish/Packaging“ TO „Packaging“</p> <p>Custom Part Number 461) change Examples: TO Examples: 1002-0000 = TCX1002 TCX1002-0000= TCX1002 0843-0001 = TCX0843-1 TCX0843-0001= TCX0843-1</p> <p>Packaging Column 462) add Standard Leadfree Codes add Standard TIN/LEAD Codes add Non-Standard Leadfree Codes</p> <p>Standard Leadfree Codes 463) add CB = Bulk pack (SnAgCu solder) add CS = Strip pack (SnAgCu solder)</p>

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Standard TIN/LEAD Codes
464) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack“
465) add RS = Strip pack
Non-Standard Leadfree Codes
467) change „FB = Sn95/Ag5=e2, Bulk“ TO „FB = Bulk pack (SnAg solder)“
468) add FS = Strip pack (SnAg solder)
Vishay Techno Networks TxxL
469) change in SAP Part Number „T16L08100KTT“ TO „T16L08100KCT“
470) change in SAP Description „T16L08 100K TT“ TO „T16L08 100K CT e1“
471) rename Heading „Terminal Finish/Packaging“ TO „Packaging“
 rename Heading „Resistance Value of R“ TO „RESISTANCE VALUE (R)“
Model Column
472) change T14L TO T14L = 14 pin
 T16L T16L = 16 pin
Packaging Column
473) add Standard Leadfree Codes
 add Standard TIN/LEAD Codes
 add Non-Standard Leadfree Codes
Resistance Value (R) Column
474) change „K = Thousand“ TO „K = kilohms“
475) remove Examples
 25K0 = 25,000
 50K0 = 50K0
 100K = 100,000
Standard Leadfree Codes
476) change „CT = Sn95.5/Ag3.9/Cu0.6, Tube“ TO „CT = Tube pack“
Standard TIN/LEAD Codes
477) change „TT = Sn90/Pb10, Tube“ TO „TT = Tube pack“
Non-Standard Leadfree Codes
478) change „NT = No Solder, Tube“ TO „NT = Tube pack“
Vishay Techno Networks TxxS
479) rename Heading „Resistance Value of R“ TO „RESISTANCE VALUE (R)“
 rename Heading „Terminal Finish/Packaging“ TO „Packaging“
Packaging Column
480) add Standard Leadfree Codes
 add Standard TIN/LEAD Codes
 add Non-Standard Leadfree Codes
Standard Leadfree Codes
481) change „CB = Sn95.5/Ag3.9/Cu0.6, Bulk“ TO „CB = Bulk pack, Sn95.5/Ag3.9/Cu0.6 terminal finish (e1)“
Standard TIN/LEAD Codes
482) change „RB = Sn60/Pb40, Bulk“ TO „RB = Bulk pack, Sn60/Pb40 terminal finish“
Non-Standard Leadfree Codes
483) change „FB = Sn95/Ag5 =e2, Bulk“ TO „FB = Bulk pack, Sn95/Ag5 terminal finish (e2)“

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	<p>Vishay Techno Film Resistors Miscellaneous (cont 1 of 3) 484) change Title „VISHAY TECHNO NETWORKS MISCELLANEOUS (cont 1 of 2)“ TO „VISHAY TECHNO FILM RESISTORS / NETWORKS MISCELLANEOUS (cont 1 of 3)“ 485) arranged properly the alignment for SAP Part Number 486) arranged and changed SAP Description „(Part number for 810187-06 reel plug, packaged B29)“ TO „810187-06 B29 (Part number for 810187-06 reel plug, packaged B29)“ Packaging Column 487) add „Click to go to Packaging Code definition page“ Vishay Techno Film Resistors / Networks LOT Charges (cont 2 of 3) 488) arranged properly the alignment for SAP Part Number 489) arranged and changed SAP Description „(Part number for Techno Film surface mount charges, packaging S31)“ TO „LOTCHG-TECHNOSMD S31“ 490) add note „Standard packaging code S31 for all part numbers“ 491) change Title „VISHAY TECHNO FILM RESISTORS CHARGES (cont 2 of 3)“ TO „VISHAY TECHNO FILM RESISTORS / NETWORKS LOT CHARGES (cont 2 of 3)“ Resistor Style Column 492) change „TECHNOLEAD = (Techno Leaded Film)“ TO „TECHNOLEAD = Techno Leaded Film“ change „TECHNOSMD = (Techno SMD Film)“ TO „TECHNOSMD= Techno SMD Film“ 493) add TECHNONETS = Techno Networks Vishay Angstrom Film Resistors GSR T.C Column 493) change X = 15ppm TO X = $\pm 15\text{ppm}/^{\circ}\text{C}$ (T-10) E = 25ppm E = $\pm 25\text{ppm}/^{\circ}\text{C}$ (T-9) H = 50ppm H = $\pm 50\text{ppm}/^{\circ}\text{C}$ (T-2) Value Column 494) change R = Decimal TO R = ohms K = Thousand K = kilohms M = Million M = Megohms Tolerance Column 495) change F = $\pm 1.0\%$ TO F = $\pm 1\%$ Packaging Column 496) change „STD CODES“ TO „STANDARD CODES“ change „NON-STD CODES“ TO „NON-STANDARD CODES“ Standard Codes 497) change „MR = Foil Bag (all except 75)“ TO „MR = Foil Bag pack, Antistatic bag, Heat-seal (M76, for all except 75-size)“ change „MS = Foil Bag (75-size)“ TO „MS = Foil Bag pack, Antistatic bag, Heat-seal (M77, for 75-size only)“ change „CS = Reel (100pcs, 55/57/60)“ TO „CS = Reel pack. 0.200" pitch, 2-1/16" tape spacing, with lead trim, small reel flange, black conductive bag (RJ7, for 55, 57 & 60-size)“ change „CT = Reel (100pcs, 65/70/75)“ TO „CT = Reel pack. 0.375" pitch, 2 7/8" tape spacing, with lead trim, small reel flange, black conductive bag (RJ8, for 65, 70 & 75-size)“ Non-Standard Codes 498) remove „Contact Marketing“</p>

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499) change „KA = Ammo (100pcs, 55/57/60)“ TO „KA = Ammo pack, 0.200“ pitch, 2-1/16“ tape spacing, w/lead trim (K36, for 55, 57 & 60-size)“

change „KC = Ammo (100pcs, 65/70/75)“ TO „KC = Ammo pack, 0.375“ pitch, 2-7/8“ tape spacing, w/lead trim (K68, for 65, 70 & 75-size)“

Special Column

500) add „Blank = Standard“

Vishay Angstrom Film Resistors HDN (Military – RNR / RNN)

501) change Title „VISHAY ANGSTROHM FILM RESISTORS HDN (RNR / RNN)“ TO „VISHAY ANGSTROHM FILM RESISTORS

HDN (Military - RNR / RNN)“

T.C Column

502) arrange values as (E, C, J)

503) change E = 25ppm

TO E = $\pm 25\text{ppm}/^{\circ}\text{C(T-9)}$

C = 50ppm

TO C = $\pm 50\text{ppm}/^{\circ}\text{C(T-2)}$

J = 25ppm (75"s only)

J = 25ppm (75"s only)

Value Column

504) remove 2152 = 21.5K Ohm and 97R6 = 97.6 Ohm

505) change „First 3 significant digits. Last digit specifies # of 0's.“ TO „4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an “R” is used as a decimal placeholder.“

506) add „(NOTE: P/N FORMAT PER MIL-PRF-55182)“

Tolerance Column

507) change B = 0.1% TO B = $\pm 0.1\%$

D = 0.5%

D = $\pm 0.5\%$

F = 1%

F = $\pm 1\%$

Failure Rate

508) arrange values as (M, P, R, S)

Packaging Column

509) change „STD CODES“ TO „STANDARD CODES“

change „STD SLDC CODES“ TO „STANDARD SLDC CODES“

change „NON-STD CODES“ TO „NON-STANDARD CODES“

STANDARD CODES“

510) change „M76 = Foil Bag (all except 75)“ TO „M76 = Foil Bag pack, Antistatic bag, Heatseal (for all sizes except 75)“

change „M77 = Foil Bag (75-size)“ TO „M77 = Foil Bag pack, Antistatic bag, Heatseal (for 75-size only)“

change „RJ7 = Reel (100pcs, 55/57/60)“ TO „RJ7 = Reel pack. 0.200“ pitch, 2-1/16“ tape spacing, w/lead trim, small reel flange, black conductive bag (for 55, 57 & 60-size)“

change „RJ8 = Reel (100pcs, 65/70/75)“ TO „RJ8 = Reel pack. 0.375“ pitch, 2 7/8“ tape spacing, w/lead trim, small reel flange, black conductive bag (for 65, 70 & 75-size)“

STANDARD SLDC CODES.

511) change „BSL = Foil Bag“ TO „BSL = Foil Bag pack, SLDC“

change „RSL = Reel“ TO „RSL = Reel pack, std taping, SLDC“

NON-STANDARD CODES

512) remove „Contact Marketing“

513) moved and changed „K36 = Ammo (100pcs, 55/57/60)“ K36 = Ammo pack, 0.200“ pitch, 2-1/16“ tape spacing, w/lead trim (for 55, 57 & 60-size)

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514) add „K68 = Ammo pack, 0.375" pitch, 2-7/8" tape spacing, w/lead trim (for 65, 70 & 75-size)"
Special Column
515) add Blank = Standard
516) change „1 = HSD 57's" TO „1 = HSD (57, 60 & 75-size)"
change „4 = HSD 70's" TO „4 = HSD (70-size)"
change „65 = HSD 65's and 65 = HSD 55's" TO „65 = HSD (55 & 65-size)"
Vishay Angstrohm Film Resistors HDN (Specials) (Typically to Customer Source Control Drawings)
T.C Columns
517) change H = 50ppm TO E = ±25ppm/°C(T-9)
E = 25ppm H = ±50ppm/°C(T-2)
Value Column
518) change R = Decimal TO R = ohms
K = Thousand K = kilohms
M = Million M = Megohms
Tolerance Column
519) change „F = ±1.0%" TO „F = ±1%"
Packaging Column
520) change „STD CODES" TO „STANDARD CODES"
change „NON-STD CODES" TO „NON-STANDARD CODES"
STD CODES" TO „STANDARD CODES"
521) change „MR = Foil Bag (all except 75-size)" TO „MR = Foil Bag pack, Antistatic bag, Heat-seal (M76, for all except 75-size)"
change „MS = Foil Bag (75-size)" TO „MS = Foil Bag pack, Antistatic bag, Heat-seal (M77, for 75-size only)"
change „CS = Reel (100pcs, 55/57/60)" TO „CS = Reel pack. 0.200" pitch, 2-1/16" tape spacing, with lead trim, small reel flange, black conductive bag (RJ7, for 55, 57 & 60-size)"
change „CT = Reel (100pcs, 65/70/75)" TO „CT = Reel pack. 0.375" pitch, 2 7/8" tape spacing, with lead trim, small reel flange, black conductive bag (RJ8, for 65, 70 & 75-size)"
522) add Standard SLDC Codes
STANDARD SLDC CODES
523) add BS = Foil Bag pack, SLDC (BSL)
add UL = Reel pack, std taping, SLDC (RSL)
NON-STANDARD CODES
524) remove „Contact Marketing"
525) placed and changed „KA = Ammo (100pcs, 55/57/60)" TO „KA = Ammo pack, 0.200" pitch, 2-1/16" tape spacing, w/lead trim (K36, for 55, 57 & 60-size)" under this category
Placed and changed „KC = Ammo (100pcs, 65/70/75)" TO „KC = Ammo pack, 0.375" pitch, 2-7/8" tape spacing, w/lead trim (K68, for 65, 70 & 75-size)" under this category.
Special Column
526) removed „Click to go to Permark codes section"
Vishay Angstrohm Film Resistors HMS (Hermetic Matched Sets)
572) add note „Standard packaging code S51 for all part numbers"
Special Column
573) change „Sxxx (only if needed) xxx = 1 thru 999 as 074 = 74 needed" TO „Sxxx (only if needed, where xxx = 001 thru 999)"

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	<p>Vishay Angstrohm Film Resistors Miscellaneous (cont 1 of 3) 574) change in Title „VISHAY ANGSTROHM FILM RESISTORS MISCELLANEOUS / CHARGES (cont 1 of 3)“ TO „VISHAY ANGSTROHM FILM RESISTORS MISCELLANEOUS (cont 1 of 3)“ 575) arranged and changed SAP Description „(Part number for 810187-06 reel plug, packaged B29)“ TO „810187-06 B29 (Part number for 810187-06 reel plug, packaged B29)“ Packaging Column 576) add „Click to go to Packaging Code definition page“</p> <p>Vishay Angstrohm Film Resistors LOT Charges (cont 2 of 3) 577) change in Title „VISHAY ANGSTROHM FILM RESISTORS CHARGES (cont 2 of 3)“ TO „Vishay Angstrohm Film Resistors LOT Charges (cont 2 of 3)“ 578) arranged and changed SAP Description „(Part number for Angstrohm Hermetic Film military leaded-film charges, packaging S31)“ TO „LOTCHG- ANGHERMMIL S31“ 579) add note „Standard packaging code S31 for all part numbers“ Resistor Style Column 580) change „ANGHERMMIL = (Hermetic Leaded-Film Military)“ TO „ANGHERMMIL = Angstrohm Hermetic Leaded-Film, Military“ change „ANGHERMCOM = (Hermetic Leaded Film Commercial)“ TO „ANGHERMCOM= Angstrohm Hermetic Leaded-Film, Commercial“ 581) add „ANGHERMCUS = Angstrohm Hermetic Leaded-Film, Custom“</p> <p>NEW</p> <p>Vishay Dale Networks Miscellaneous (cont 1 of 3) 581) add Sap Part Number 81018706B29 582) add Sap Description 583) add Part Number, Dash Type, Packaging Column Part Number Column 584) add 2xxxxx 8xxxxx Dash Type Column 585) add 00 thru 99 as applicable Packaging Column 586) add B29, P03, S27, S31, T03, etc. Click to go to Packaging Code definition page</p> <p>NEW</p> <p>Vishay Dale Networks LOT Charges (cont 2 of 3) 587) add Sap Part Number LOTCHG-DALENETWORK 588) add Sap Description LOTCHG-DALENETWORK S31 589) add note „Standard packaging code S31 for all part numbers“ 590) add Charge column and Resistor Style column Charge Column 591) add „LOTCHG-“ Resistor Style Column 592) add „DALENETWORK= Dale Networks (Material Group FN2)“</p>

REVISION DATE**REVISION DESCRIPTION****NEW****Vishay Dale Networks Fast Track Program (cont 3 of 3)**

- 593) add Sap Part Number „FSTTRK10DALENETS“and „FSTTRK20DALENETS“
594) add Sap Description „FSTTRK10DALENETS S31“and „FSTTRK20DALENETS S31“
595) add note „Standard packaging code S31 for all part numbers“
596) add CHARGE column, LEAD TIME column, RESISTOR STYLE column
CHARGE column
597) add FSTTRK
LEAD TIME column
598) add 05 = 5 working days
10 = 10 working days
15 = 15 working days
20 = 20 working days
RESISTOR STYLE column
599) add „DALENETS = Dale Networks (Material Group FN1)“

New**Vishay Techno Film Resistors HML**

- 600) add Sap Part Number „HML0110K0FKE05“ and „HML012M00JME05“
601) add Sap Description „HML01 10K 1% K E05 e3“ and „HML01 2M 5% M E05 e3“
602) add MODEL column, SIZE column, VALUE column, TOLERANCE column, TC column, PACKAGING column, SPECIAL column
MODEL column
603) add „HML“
SIZE column
604) add „01“
VALUE column
605) add R = ohms
K = kilohms
M = Megohms
Check data sheet for available value range
TC column
606) add K = ±100ppm
M = ±300ppm
PACKAGING column
607) add STANDARD LEAD FREE CODES
E05 = Lacer pack
Click to go to Packaging Code definition page
SPECIAL column
608) add Dash #'s 1 thru 999 as applicable
Click below to go to Permark codes section

NEW**Vishay Techno Film Resistors / Networks Fast Track Program (cont 3 of 3)**

- 609) add SAP Part Number „FSTTRK10TECHNO“ and „FSTTRK20TECHNO“
610) add SAP Description „FSTTRK10TECHNO S31“ and „FSTTRK20TECHNO S31“

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612) add note „Standard packaging code S31 for all part numbers“
613) add CHARGE column, LEAD TIME column, RESISTOR STLE column
CHARGE column
614) add FSTTRK
LEAD TIME column
615) add 05 = 5 working days
10 = 10 working days
15 = 15 working days
20 = 20 working days
RESISTOR STYLE column
616) add „TECHNO = Techno Networks (Material Group FN2)“
NEW
Vishay Angstrom Film Resistors Fast Track Program (cont 3 of 3)
617) add SAP Part Number „FSTTRK10ANGHFML“ and „FSTTRK20ANGHFCOM“
618) add SAP Description „FSTTRK10ANGHFML S31“ and „FSTTRK20ANGHFCOM S31“
619) add note „Standard packaging code S31 for all part numbers“
620) add CHARGE column, LEAD TIME column, RESISTOR STLE column
CHARGE column
621) add „FSTTRK“
LEAD TIME column
622) add 05 = 5 working days
10 = 10 working days
15 = 15 working days
20 = 20 working days
RESISTOR STYLE column
623) add ANGHFMIL = Angstrom Hermetic Leaded-Film, Military
ANGHFCOM = Angstrom Hermetic Leaded-Film, Commercial
ANGHFCUS = Angstrom Hermetic Leaded-Film, Custom
Vishay Dale Film Resistors – B / H
Value Column
1)Change K = THOUSAND to K = kilohms.
2)Change M = MILLION to M = Megohms.
3)Change G = KMEG to G = Gigohms.
Tolerance Column
4)Change J = ±5.0% to J = ±5%.
5)Change K = ±10.0% to K = ±10%.
6)Change L = ±15.0% to L = ±15%
7)Add M = ±20%
Packaging Column
8)Change STD LEADFREE CODES* to STANDARD LEADFREE CODES
9)Change E08* = Foam to E08 = Foam pack, 5/ea rolled in Microfoam
10)Change STD TIN / LEAD CODES to STANDARD TIN/LEAD CODES
11)Change F08 = Foam to F08 = Foam pack, 5/ea rolled in Microfoam

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	<p>12) Remove * Leadfree version not currently released</p> <p>13) Add NON-STANDARD TIN/LEAD CODES</p> <p>14) Add F03 = Foam pack, 10/ea rolled in Microfoam</p> <p>15) Add F06 = Foam pack, 1/ea rolled in Microfoam</p> <p>16) Add J03 = Skin pack, 5 to 10 pcs on cardboard (vary with size)</p> <p>17) Add M27 = Heat Seal pack, components wrapped in pink foam, sealed in a level "C" – water-vapor proof bag in a supplemental container, marking per MIL-STD-129.</p> <p>18) Add S51 = Custom pack, per TPI Special Column</p> <p>19) Add Blank = Standard</p> <p>VISHAY DALE FILM RESISTORS C6</p> <p>Value Column</p> <p>20) Change R = DECIMAL to R = ohms</p> <p>21) Change K = THOUSAND to K = kilohm</p> <p>22) Change M = MILLION to M = Megohm</p> <p>23) Remove Check datasheet for available value range Tolerance Column</p> <p>24) Change F = $\pm 1.0\%$ to F = $\pm 1\%$</p> <p>25) Change G = $\pm 2.0\%$ to G = $\pm 2\%$</p> <p>26) Change J = $\pm 5.0\%$ to J = $\pm 5\%$</p> <p>27) Change K = $\pm 10.0\%$ to K = $\pm 10\%$</p> <p>Packaging Column</p> <p>28) Change STD LEAD FREE CODES* to STANDARD LEAD FREE CODES STANDARD LEAD FREE CODES</p> <p>29) Change EA = Reel (full) to EA = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim</p> <p>30) Change EK = Bulk to EK = Bulk pack</p> <p>31) Change STD TIN/LEAD CODES to STANDARD TIN/LEAD CODES STANDARD TIN/LEAD CODES</p> <p>32) Change CJ = Reel (full) to Reel pack, 0.200" pitch, 2-7/8" tape spacing, 2-7/8" tape spacing, with leadtrim (RH3, 1,000pcs/reel)</p> <p>33) Change B8 = Bulk to B8 = Bulk pack</p> <p>34) Add NON-STANDARD LEAD FREE CODES NON-STANDARD LEAD FREE CODES</p> <p>35) Add EF = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>36) Change NON-STD TIN/LEAD CODES to NON-STANDARD TIN/LEAD CODES NON-STANDARD TIN/LEAD CODES</p> <p>37) Add A5 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>38) Add CH = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (RH2, 750pcs/reel)</p> <p>39) Add CF = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (RH1, 500pcs/reel)</p> <p>40) Add LB = Lacer pack (L05)</p> <p>41) Add KR (K22) ammo pack available</p> <p>42) Add BF (B14) bulk pack available</p> <p>43) Add F5 (F05) foam pack available</p>

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	<p>44) Add CK (R19), RG (R20), RE (R36), RH (R64), R9 (R68), WG (RE4), WF (RE5), R6 (RE6), R7 (RE7), R8 (RE8), C2, C3, CB, M6, R4 reel pack Available</p> <p>45) Add Footnote- Note: C6 is an FP1 or FP32 with an Epoxy coating rather than the FP products normal Silicone coating.</p> <p>VISHAY DALE FILM RESISTORS – CCF</p> <p>Value Column</p> <p>46) Change R = DECIMAL to R = ohms47) Change K = THOUSAND to K = kilohms</p> <p>48) Change M = MILLION to M = Megohms</p> <p>49) Add Check data sheet for available value range</p> <p>50) Add Note: 1% parts only available in E96 decade values and 5% parts only available in E24 decade values</p> <p>Tolerance Column</p> <p>51) Change F = 1.0 to F = $\pm 1\%$</p> <p>52) Change J = 5.0 (not for size 60) to J = $\pm 5\%$ (not for 60-size)</p> <p>T.C Column</p> <p>53) Change K = T-1 to K = $\pm 100\text{ppm}/^\circ\text{C}$ (T-1)</p> <p>54) Change H = T-2 (size 50 only) to H = $\pm 50\text{ppm}/^\circ\text{C}$ (T-2, 50-size only)</p> <p>Packaging Column</p> <p>55) Change STD LEADFREE CODES to STANDARD LEADFREE CODES STANDARD LEADFREE CODES</p> <p>56) Change E36 = Reel to E36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with lead trim</p> <p>57) Change STD TIN / LEAD CODES to STANDARD TIN/LEAD CODES STANDARD TIN/LEAD CODES</p> <p>58) Change R36 = Reel to R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with lead trim</p> <p>59) Remove NON-STD TIN / LEAD CODES</p> <p>Special Column</p> <p>60) Add Blank = Standard</p> <p>VISHAY DALE FILM RESISTORS - CMF (Commercial)</p> <p>61) Change CMF0739R00JLEA to CMF0739R000JLEA</p> <p>62) Change R = DECIMAL to R = ohms</p> <p>63) Change K = THOUSAND to K = kilohms</p> <p>64) Change M = MILLION to M = Megohms</p> <p>65) Change E24 values only for CMF07 and CMF20 to Note: E24 decade values only for CMF07 and CMF20</p> <p>Tolerance Column</p> <p>66) Add A = $\pm 0.05\%$</p> <p>67) Add S = $\pm 0.075\%$</p> <p>68) Change B = 0.1 to B = $\pm 0.1\%$</p> <p>69) Change C = 0.25 to C = $\pm 0.25\%$</p> <p>70) Change D = 0.5 to D = $\pm 0.5\%$</p> <p>71) Change F = 1.0 to F = $\pm 1\%$</p> <p>72) Change G = 2.0 to G = $\pm 2\%$</p> <p>73) Change J = 5.0 to J = $\pm 5\%$</p> <p>74) Add K = $\pm 10\%$</p> <p>75) Add Note: 2% and 5% tolerances only for CMF07 and CMF20</p>

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	<p>T.C. Column</p> <p>76) Change E = T-9 to E = $\pm 25\text{ppm}/^\circ\text{C}$ (T-9)</p> <p>77) Change H = T-2 to H = $\pm 50\text{ppm}/^\circ\text{C}$ (T-2)</p> <p>78) Change K = T-1 to K = $\pm 100\text{ppm}/^\circ\text{C}$ (T-1)</p> <p>79) Change L = T-0 to L = $\pm 150\text{ppm}/^\circ\text{C}$ (T-0)</p> <p>80) Change N = T-00 to N = $\pm 200\text{ppm}/^\circ\text{C}$ (T-00)</p> <p>Packaging Column</p> <p>81) Change STD LEAD FREE CODES to STANDARD LEAD FREE CODES STANDARD LEAD FREE CODES</p> <p>82) Change EA = Reel (full) to EA = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>83) Change EB = Reel (1K pcs) to EB = Reel pack (std taping except 1,000pcs/reel)</p> <p>84) Change EK = Bulk to EK = Bulk pack</p> <p>85) Change STD TIN/LEAD CODES to STANDARD TIN/LEAD CODES STANDARD TIN/LEAD CODES</p> <p>86) Change RE = Reel (full) to RE = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim (R36)</p> <p>87) Change R6 = Reel (1K pcs) R6 = Reel pack (RE6, std taping except 1,000pcs/reel)</p> <p>88) Change BF = Bulk to BF = Bulk pack (B14)</p> <p>89) Change NON-STD TIN/LEAD CODES to NON-STANDARD TIN/LEAD CODES</p> <p>90) Add</p> <p>KA = Ammo pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim (K36)</p> <p>RA = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim (R05)</p> <p>RB = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim (R08)</p> <p>RC = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim (R19)</p> <p>RG = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim (R20)</p> <p>RH = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (R64)</p> <p>WF = Reel pack (RE5, std taping except 500pcs/reel)</p> <p>R7 = Reel pack (RE7, std taping except 1,500pcs/reel)</p> <p>R8 = Reel pack (RE8, std taping except 2,000pcs/reel)</p> <p>KB (K55), KE (K81), KJ (K82) ammo pack available</p> <p>BL (B24), B1 (B25), B7 (B45), B9 (B70), MD (M22), MH (M74), MP (M75) bulk pack available</p> <p>LA (L03) lacer pack available</p> <p>M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available</p> <p>ME (M23), MG (M24), CM (R16), R5 (R18), R3 (R33), RF (R48), RK (R50), CP (R55), CE (R62), R9 (R68), RL (R74), RQ (RC9), WG (RE4), CL (RH5), SA (S09), SD (S18), SS (S20), SQ (S21), SE (S22), SY (S24) reel pack available</p> <p>SM (S50), SL (S51) special pack available</p> <p>Special Column</p> <p>91) Add</p> <p>Blank = Standard</p> <p>GENERAL USAGE DASH NUMBERS</p> <p>11 = 0.032" leadwire (65-size)</p> <p>39 = Fusible (55-size)</p> <p>64 = Fusible (60-size)</p> <p>70 = Color banded, 5 bands (for $\leq 1\%$; 50, 55, 60, 65 & 70-sizes)</p>

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	<p>80 = Color banded, 4 bands (for $\geq 2\%$; 50, 55, 60, 65 & 70-sizes)</p> <p>88 = Hot Solder Dipped (for all sizes)</p> <p>95 = 0.032" leadwire (60-size)</p> <p>143 = Non-magnetic; (for all sizes)</p> <p>170 = Hot Solder Dipped and Color banded, 5 bands (for $\leq 1\%$; 50, 55, 60, 65 & 70-sizes)</p> <p>VISHAY DALE FILM RESISTORS</p> <p>CMF (Military - RL)</p> <p>Value Column</p> <p>92) change 2 SIGNIFICANT DIGITS PLUS MULTIPLIER to 3-digit numeric code where the first two digits are the significant figures and the last digit is the multiplier. For values below 10 ohms, an "R" is used as a decimal placeholder.</p> <p>93) change NOTE: P/N FORMAT PER MIL-R-22684 to (NOTE: P/N FORMAT PER MIL-PRF-22684)</p> <p>Packaging Column</p> <p>94) Change STD TIN/LEAD CODES to STANDARD TIN/LEAD CODES</p> <p>95) Change R36 = Reel (full) to R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>96) Change RE6 = Reel (1K pcs) to RE6 = Reel pack (std taping except 1,000pcs/reel)</p> <p>97) Change B14 = Bulk to B14 = Bulk pack</p> <p>98) Change STD TIN/LEAD SLDC CODES to STANDARD TIN/LEAD SLDC CODES</p> <p>99) Change RSL = Reel to RSL = Reel pack, std taping, SLDC</p> <p>100) Change BSL = Bulk to BSL = Bulk pack, SLDC</p> <p>101) Change NON-STD TIN/LEAD CODES to NON-STANDARD TIN/LEAD CODES</p> <p>102) Add</p> <p>K36 = Ammo pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>R05 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim</p> <p>R08 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim</p> <p>R19 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim</p> <p>R20 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim</p> <p>R64 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim</p> <p>RE5 = Reel pack (std taping except 500pcs/reel)</p> <p>K55, K81, K82 ammo pack available</p> <p>B24, B25, B45, B70, M22, M74, M75 bulk pack available</p> <p>L03 lacer pack available</p> <p>M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available</p> <p>M23, M24, R16, R18, R33, R48, R50, R55, R62, R68, R74, RC9, RD1, RE4, RE7, RE8, RH5, S09, S18, S20, S21, S22, S24 reel pack available</p> <p>S50, S51 special pack available</p> <p>Special Column</p> <p>103) Add</p> <p>Dash #'s 1 thru 999 as applicable</p> <p>Blank = Standard</p> <p>GENERAL USAGE DASH NUMBERS</p> <p>88 = Hot Solder Dipped</p> <p>143 = Non-magnetic</p>

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	<p>VISHAY DALE FILM RESISTORS</p> <p>CMF (Military - RN)</p> <p>T.C column</p> <p>103) Add ± to values</p> <p>Value column</p> <p>104) Change 3 SIGNIFICANT DIGITS PLUS MULTIPLIER to 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an "R" is used as a decimal placeholder.</p> <p>Tolerance Column</p> <p>105) Add F = ±1%</p> <p>106) Add part number RN65E1002BR36143 and description CMF-65-143 10K .1% T-9 RN65E1002B R36</p> <p>Packaging Column</p> <p>107) Change STD TIN/LEAD CODES to STANDARD TIN/LEAD CODES</p> <p>108) Change R36 = Reel (full) to R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>109) Change RE6 = Reel (1K pcs) to RE6 = Reel pack (std taping except 1,000pcs/reel)</p> <p>110) Change B14 = Bulk to B14 = Bulk pack</p> <p>111) Change STD TIN/LEAD SLDC CODES to STANDARD TIN/LEAD SLDC CODES</p> <p>112) Change RSL = Reel to RSL = Reel pack, std taping, SLDC</p> <p>113) Change BSL = Bulk to BSL = Bulk pack, SLDC</p> <p>114) Change NON-STD TIN/LEAD CODES to NON-STANDARD TIN/LEAD CODES</p> <p>115) Add</p> <p>K36 = Ammo pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>R05 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim</p> <p>R08 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim</p> <p>R19 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim</p> <p>R20 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim</p> <p>R64 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim</p> <p>RE5 = Reel pack (std taping except 500pcs/reel)</p> <p>K55, K81, K82 ammo pack available</p> <p>B24, B25, B45, B70, M22, M74, M75 bulk pack available</p> <p>L03 lacer pack available</p> <p>M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available</p> <p>M23, M24, R16, R18, R33, R48, R50, R55, R62, R68, R74, RC9, RD1, RE4, RE7, RE8, RH5, S09, S18, S20, S21, S22, S24 reel pack available</p> <p>S50, S51 special pack available</p> <p>Special Column</p> <p>1116) Add</p> <p>Dash #'s 1 thru 999 as applicable</p> <p>Blank = Standard</p> <p>GENERAL USAGE DASH NUMBERS</p> <p>88 = Hot Solder Dipped</p> <p>143 = Non-magnetic</p>

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	<p>VISHAY DALE FILM RESISTORS</p> <p>CPF</p> <p>Value Column 116) Change R = DECIMAL K = THOUSAND M = MILLION to R = ohms K = kilohms M = Megohms</p> <p>Tolerance Column 117) Change F = $\pm 1.0\%$ G = $\pm 2.0\%$ J = $\pm 5.0\%$ to F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ 118) Change N = T-00 L = T-0 K = T-1 H = T-2 E = T-9 to E = $\pm 25\text{ppm}/^\circ\text{C}$ (T-9) H = $\pm 50\text{ppm}/^\circ\text{C}$ (T-2) K = $\pm 100\text{ppm}/^\circ\text{C}$ (T-1) L = $\pm 150\text{ppm}/^\circ\text{C}$ (T-0) N = $\pm 200\text{ppm}/^\circ\text{C}$ (T-00)</p> <p>Packaging Column 119) Change STD TIN/LEAD CODES to STANDARD TIN/LEAD CODES 120) Change E36* = Reel (full) to E36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim 121) Change EE6* = Reel (1K pcs) (1K pcs) to EE6 = Reel pack (std taping except 1,000pcs/reel) 122) Change E14* = Bulk to E14 = Bulk pack 123) Change STD TIN/LEAD SLDC CODES to STANDARD TIN/LEAD SLDC CODES 124) Change R36 = Reel (full) to R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim 125) Change RE6 = Reel (1K pcs) to RE6 = Reel pack (std taping except 1,000pcs/reel) 126) Change NON-STD TIN/LEAD CODES to NON-STANDARD TIN/LEAD CODES 127) Add K36 = Ammo pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim R05 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim R08 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim R19 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim R20 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim R64 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim RE5 = Reel pack (std taping except 500pcs/reel) K55, K81, K82 ammo pack available B24, B25, B45, B70, M22, M74, M75 bulk pack available L03 lacer pack available M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available M23, M24, R16, R18, R33, R48, R50, R55, R62, R68, R74, RC9, RD1, RE4, RE7, RE8, RH5, S09, S18, S20, S21, S22, S24 reel pack available S50, S51 special pack available</p> <p>Special Column 128) Add Blank = Standard</p> <p>VISHAY DALE FILM RESISTORS</p> <p>CRCC</p> <p>Resistance Value Column 130) Change First two digits significant, last digit signifies multiplier. To 3-digit numeric code (in ohms) where the first two digits are the significant figures and the last digit is the multiplier. 131) change TOLERANCE to RESISTOR TOLERANCE 132) Change F = $\pm 1.0\%$ G = $\pm 2.0\%$ J = $\pm 5.0\%$ to F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$</p>

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	<p>Capacitance value Column</p> <p>133) Change In picofarad, first two digits significant, last digit is multiplier. To 3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.</p> <p>134) Change TOLERANCE to CAPACITOR TOLERANCE</p> <p>135) Change $K = \pm 10.0\%$ $M = \pm 20.0\%$ to $K = \pm 10\%$ $M = \pm 20\%$</p> <p>136) Change STD LEAD FREE CODES EA = Reel STD TIN/LEAD CODES TF = Reel $M = \pm 20.0\%$ significant, last digit is multiplier. $J = \pm 5.0\%$ NON-STD TIN/LEAD CODES Contact Marketing to STANDARD LEAD FREE CODES EA = Reel pack, embossed carrier tape, 7" reel STANDARD TIN/LEAD CODES TF = Reel pack, embossed carrier tape, 7" reel (R02)</p> <p>VISHAY DALE FILM RESISTORS</p> <p>D / G</p> <p>137) Add NOTE: SP07 will convert Vinyl and Mylar sleeve options as "Specials". For example: DVYV will show as DVY-V.</p> <p>138) Change DVYV-1 500M 5% B19 to DVY-V1 500M 5% B19</p> <p>Value Column</p> <p>139) Change $K = \text{THOUSAND}$ $M = \text{MILLION}$ $G = \text{KMEG}$ to $K = \text{kilohms}$ $M = \text{Megohms}$ $G = \text{Gigohms}$</p> <p>Tolerance Column</p> <p>140) Change $J = 5.0\%$ $K = 10.0\%$ $L = 15.0\%$ to $J = \pm 5\%$ $K = \pm 10\%$ $L = \pm 15\%$ $M = \pm 20\%$</p> <p>Special Column</p> <p>141) Add Blank = Standard</p> <p>142) Change SPECIAL TYPE to OPTIONAL CONSTRUCTION</p> <p>VISHAY DALE FILM RESISTORS</p> <p>DC</p> <p>Value Column</p> <p>143) Change $R = \text{DECIMAL}$ $K = \text{THOUSAND}$ $M = \text{MILLION}$ to $R = \text{ohms}$ $K = \text{kilohms}$ $M = \text{Megohms}$</p> <p>Tolerance Column</p> <p>144) Change $F = \pm 1.0\%$ $G = \pm 2.0\%$ $J = \pm 5.0\%$ to $F = \pm 1\%$ $G = \pm 2\%$ $J = \pm 5\%$</p> <p>Special Column</p> <p>145) Add</p> <p>Blank = Standard</p> <p>Packaging Column</p> <p>146) Change TIN/LEAD CODES R36 = Reel (full) RE4 = Reel RE5 = Reel (500 pcs) K36 = Ammo to TIN/LEAD CODES</p> <p>R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>RE4 = Reel pack (std taping except min of 300pcs/reel, multiple of 100pcs)</p> <p>RE5 = Reel pack (std taping except 500pcs/reel)</p> <p>RE6 = Reel pack (std taping except 1,000pcs/reel)</p> <p>RE7 = Reel pack (std taping except 1,500pcs/reel)</p> <p>RE8 = Reel pack (std taping except 2,000pcs/reel)</p> <p>K36 = Ammo pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim</p> <p>Special Column</p> <p>147) Add</p> <p>Blank = Standard</p>

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	<p>VISHAY DALE FILM RESISTORS</p> <p>DCS</p> <p>Value Column 148) change Change R = DECIMAL K = THOUSAND M = MILLION to R = ohms K = kilohms M = Megohms 149) Add 135R0 = 135 ohm Tolerance Column 150) Change F = $\pm 1.0\%$ G = $\pm 2.0\%$ J = $\pm 5.0\%$ to F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$</p> <p>Packaging Column 151) Change TIN/LEAD CODES R36 = Reel (full) RE4 = Reel RE5 = Reel (500 pcs) K36 = Ammo to TIN/LEAD CODES R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim RE4 = Reel pack (std taping except min of 300pcs/reel, multiple of 100pcs) RE5 = Reel pack (std taping except 500pcs/reel) RE6 = Reel pack (std taping except 1,000pcs/reel) RE7 = Reel pack (std taping except 1,500pcs/reel) RE8 = Reel pack (std taping except 2,000pcs/reel)</p> <p>Special Column 152) Add Blank = Standard Change VISHAY DALE FILM RESISTORS ERC (RNC / RNR) to VISHAY DALE FILM RESISTORS ERC (Military - RNC / RNR)</p> <p>T.C Column 153) Change H = 50 PPM J = 25 PPM K = 100 PPM to J = $\pm 25\text{ppm}/^{\circ}\text{C}$ (T-9) H = $\pm 50\text{ppm}/^{\circ}\text{C}$ (T-2) K = $\pm 100\text{ppm}/^{\circ}\text{C}$ (T-1) 154) Change First 3 significant digits Last digit specifies # of 0's 2152 = 21.5K Ohm 97R6 = 97.6 Ohm to 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an "R" is used as a decimal placeholder. Add (NOTE: P/N FORMAT PER MIL-PRF-55182)</p> <p>Packaging column 155) Change STD TIN/LEAD CODES R36 = Reel (full) RE6 = Reel (1K pcs) B14 = BulkSTD TIN/LEAD SLDC CODES RSL = Reel BSL = Bulk NON-STD TIN/LEAD CODES Contact Marketing to</p> <p>STANDARD TIN/LEAD CODES R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim (std for 50, 55 & 60 sizes) R64 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (std for 65 & 70 sizes) RE6 = Reel pack (std taping except 1,000pcs/reel) B14 = Bulk pack</p> <p>STANDARD TIN/LEAD SLDC CODES RSL = Reel pack, std taping, SLDC BSL = Bulk pack, SLDC</p> <p>NON-STANDARD TIN/LEAD CODES R05 = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim R08 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim R19 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim R20 = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim</p>

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	<p>RE5 = Reel pack (std taping except 500pcs/reel) K36, K55, K81, K82, K83 ammo pack available B24, B25, B45, B70, M22, M74, M75 bulk pack available L03 lacer pack available M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available M23, M24, R16, R18, R33, R38, R48, R50, R55, R62, R68, R74, R93, RC9, RD1, RE4, RE7, RE8, RH5, S09, S18, S20, S21, S22, S24 reel pack available S50, S51 special pack available 156) add Blank = Standard GENERAL USAGE DASH NUMBERS 4 = HSD (70-size) 31 = HSD (50-size) 65 = HSD (55 or 65-size) 201 = HSD (60-size) VISHAY DALE FILM RESISTORS ERC (Specials) Value Column 157) change Change R = DECIMAL K = THOUSAND M = MILLION to R = ohms K = kilohms M = Megohms Tolerance Column 158) Change F = $\pm 1.0\%$ G = $\pm 2.0\%$ J = $\pm 5.0\%$ to F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ T.C column 159) Change K = T-1 H = T-2 E = T-9 Z = T-16 Y = T-13 X = T-10 to Z = $\pm 5\text{ppm}/^\circ\text{C}$ (T-16) Y = $\pm 10\text{ppm}/^\circ\text{C}$ (T-13) X = $\pm 15\text{ppm}/^\circ\text{C}$ (T-10) E = $\pm 25\text{ppm}/^\circ\text{C}$ (T-9) H = $\pm 50\text{ppm}/^\circ\text{C}$ (T-2) K = $\pm 100\text{ppm}/^\circ\text{C}$ (T-1) Packaging Column 160) change STD LEAD FREE CODES* EA* = Reel (full) EB* = Reel (1K pcs) EK* = Bulk STD TIN/LEAD CODES J = $\pm 5.0\%$ L = T-0 RE = Reel (full) RH = Reel (full) R6 = Reel (1K pcs) BF = Bulk NON-STD TIN/LEAD CODES Contact Marketing * Leadfree version not currently released to STANDARD LEAD FREE CODES EA = Reel pack, 0.200" pitch, 2-1/16" (for 50, 55 & 60-sizes) or 2-7/8" (for 65 & 70-sizes) tape spacing, with leadtrim EB = Reel pack (std taping except 1,000pcs/reel) EK = Bulk pack STANDARD TIN/LEAD CODES RE = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim (R36, std for 50, 55 & 60-sizes) RH = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (R64, std for 65 & 70-sizes) R6 = Reel pack (RE6, std taping except 1,000pcs/reel) BF = Bulk pack (B14) NON-STANDARD TIN/LEAD CODES RA = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim (R05) RB = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim (R08) RC = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim (R19) RG = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim (R20) WF = Reel pack (RE5, std taping except 500pcs/reel) KA (K36), KB (K55), KE (K81), KJ (K82) ammo pack available BL (B24), B1 (B25), B7 (B45), B9 (B70), BS (BSL), MD (M22), MH (M74), MP (M75) bulk pack available LA (L03) lacer pack available M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available ME (M23), MG (M24), CM (R16), R5 (R18), R3 (R33), RF (R48), RK (R50), CP (R55), CE (R62), R9 (R68), RL (R74), RQ (RC9), WG (RE4), R7 (RE7), R8 (RE8), CL (RH5), UL (RSL), SA (S09), SD (S18), SS (S20), SQ (S21), SE (S22), SY (S24) reel pack available SM (S50), SL (S51) special pack available</p>

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	<p>Change VISHAY DALE FILM RESISTORS ERL (RLR) to VISHAY DALE FILM RESISTORS ERL (Military RLR) Value Column 161) Change First 3 significant digits.Last digit specifies # of 0's. 2152 = 21.5K Ohm 97R6 = 97.6 Ohm to 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an "R" is used as a decimal placeholder. Add (NOTE: P/N FORMAT PER MIL-PRF-39017) 162) Add Blank = Standard GENERAL USAGE DASH NUMBERS 1 = HSD (32-size) 11 = HSD (20-size) 19 = HSD (05-size) 23 = HSD (07-size) VISHAY DALE FILM RESISTORS ERL (Specials) 163) Add (Typically to Customer Source Control Drawings) Value Column 164) Change R = DECIMAL K = THOUSAND M = MILLION to R = ohms K = kilohms M = Megohms 165) Change F = $\pm 1.0\%$ G = $\pm 2.0\%$ J = $\pm 5.0\%$ to F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ T.C column 166) Change K = T-1 H = T-2 L = T-0 to H = $\pm 50\text{ppm}/^{\circ}\text{C}$ (T-2) K = $\pm 100\text{ppm}/^{\circ}\text{C}$ (T-1) L = $\pm 150\text{ppm}/^{\circ}\text{C}$ (T-0) Packaging Column 167) change STD LEAD FREE CODES* EA* = Reel (full) EB* = Reel (1K pcs) EK* = Bulk STD TIN/LEAD CODES RE = Reel (full) RH = Reel (full) R6 = Reel (1K pcs) BF = Bulk NON-STD TIN/LEAD CODES Contact Marketing * Leadfree version not currently released to STANDARD LEAD FREE CODES EA = Reel pack, pitch and tape spacing vary based on size, with leadtrim EB = Reel pack (std taping except 1,000pcs/reel) EK = Bulk pack STANDARD TIN/LEAD CODES RE = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim (R36, std for 05, 07 & 20-sizes) RH = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (R64, std for 32-size) CP = Reel pack, 0.400" pitch, 2-7/8" tape spacing, with leadtrim, (R55, std for 62-size) R6 = Reel pack (RE6, std taping except 1,000pcs/reel) BF = Bulk pack (B14) NON-STANDARD TIN/LEAD CODES RA = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim (R05) RB = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim (R08) RC = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim (R19) RG = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim (R20) WF = Reel pack (RE5, std taping except 500pcs/reel) KA (K36), KB (K55), KE (K81), KJ (K82) ammo pack available BL (B24), B1 (B25), B7 (B45), B9 (B70), BS (BSL), MD (M22), MH (M74), MP (M75) bulk pack available LA (L03) lacer pack available M2 (M02), M3 (M03), M6 (M06), M7 (M07), ML (M10), MA (M11), MN (M14), MB (M15) heat seal pack available ME (M23), MG (M24), CM (R16), R5 (R18), R3 (R33), RF (R48), RK (R50), CE (R62), R9 (R68), RL (R74), RQ (RC9), WG (RE4), R7 (RE7), R8 (RE8), CL (RH5), UL (RSL), SA (S09), SD (S18), SS (S20), SQ (S21), SE (S22), SY (S24) reel pack available SM (S50), SL (S51) special pack available VISHAY DALE FILM RESISTORS FP 168) Change part number FP0001374KF6200EK to FP0001374KF6201EK 169) Change description FP1 :6200 374K 1% EK e3 to FP1 :6201 374K 1% EK e3</p>

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	<p>Size column 170) Add 42TX Value column 171) Change R = DECIMAL K = THOUSAND M = MILLION to R = ohms K = kilohms M = Megohms Tolerance Column 172) Change F = 1.0 G = 2.0 J = 5.0 K = 10.0 to F = ±1.0% G = ±2.0% J = ±5.0% K = ±10.0%</p> <p>Packaging Column 173) Change STD LEAD FREE CODES EA* = Reel (full) EK* = Bulk EL = Lacer STD TIN/LEAD CODES LB = Lacer CJ = Reel (full, 1K pcs) CH = Reel (full, 750 pcs) G1 = Reel (full, 600 pcs) B8 = Bulk NON-STD TIN/LEAD CODES Contact Marketing to STANDARD LEAD FREE CODES EA = Reel pack, pitch and tape spacing vary based on size, with leadtrim EK = Bulk pack EL = Lacer pack STANDARD TIN/LEAD CODES CJ = Reel pack, pitch varies based on size, 2-7/8" tape spacing, with leadtrim (RH3, 1,000pcs/reel, for 1/2, 1, 32 & 69-sizes) CH = Reel pack, pitch varies based on size, 2-7/8" tape spacing, with leadtrim (RH2, 750pcs/reel, for 1/2, 1, 2, 3, 32, 42, 67 & 69-sizes) G1 = Reel pack, 0.400" pitch, 4" tape spacing, with leadtrim, with leadtrim (600 pcs/reel, for 4-size only) B8 = Bulk pack LB = Lacer pack (L05) NON-STANDARD LEAD FREE CODES EF = Reel pack, pitch varies based on size, 2-1/16" tape spacing, with leadtrim NON-STANDARD TIN/LEAD CODES A5 = Reel pack, pitch varies based on size, 2-1/16" tape spacing, with leadtrim CF = Reel pack, pitch varies based on size, 2-7/8" tape spacing, with leadtrim (RH1, 500 pcs/reel) K4 (K04), KR (K22), KB (K55) ammo pack available BF (B14) bulk pack available F5 (F05) foam pack available MK (M8), CM (R16), CK (R19 or RH4), RG (R20), RE (R36), RK (R50), RH (R64), CR (R66), R9 (R68), WG (RE4), WF (RE5), R6 (RE6), R7 (RE7), R8 (RE8), C2, C3, CB, M6, N2, N3, NB, NC, R4 (27) reel pack available</p> <p>VISHAY DALE FILM RESISTORS FRJ 174) Add NOTE: FRJ55 SERIES NO LONGER MANUFACTURED, AVAILABLE ONLY IF INVENTORY EXISTS Packaging column 175) Change STD LEAD FREE CODES* E36* = Reel STD TIN/LEAD CODES R36 = reel * Leadfree version not currently released to STANDARD LEADFREE CODES E36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with lead trim STANDARD TIN/LEAD CODES R36 = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with lead trim Special column 176) Add Blank = Standard VISHAY DALE FILM RESISTORS MVW / HWV / HVX Size Column 177) Change MVW available in 1/2, 3/4 HWV and HVX available in 1/2, 3/4, 001, 002 to 001 (HVW & HVX only) 002 (HVW & HVX only) Value Column 178) change K = THOUSAND M = MILLION to K = kilohms M = Megohms Tolerance Column 179) change J = ±5.0% K = ±10.0% M = ±20.0% to J = ±5% K = ±10% M = ±20%</p> <p>Packaging column 180) change STD LEAD FREE CODES (MVW)* BJ = Bulk LB = Lacer RC = Reel NON-STD LEAD FREE CODES (MVW)* Contact Marketing STD LEAD FREE CODES (HVW/HVX) EK = Bulk (1/2 & 3/4 only) EL = Lacer EE = Reel (1/2 & 3/4 only) STD TIN/LEAD CODES (HVW/HVX) BJ = Bulk (1/2 & 3/4 only) LB = Lacer RC = Reel (1/2 & 3/4 only) NON-STD TIN/LEAD CODES (HVW/HVX) Contact Marketing * MVW product does not contain lead</p>

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	<p>To STANDARD LEAD FREE CODES (HVW & HVX only) EK = Bulk pack, big box (1/2 & 3/4 sizes only) EL = Lacer pack EE = Reel pack, 0.200" pitch, 2-1/2" tape spacing, no leadtrim (1/2 & 3/4 sizes only) STANDARD CODES * BJ = Bulk pack, big box (B21, 1/2 & 3/4 sizes only) LB = Lacer pack (L05) RC = Reel pack, 0.200" pitch, 2-1/2" tape</p> <p>NON-STANDARD CODES * BK = Bulk pack, small box (B22) RA = Reel pack, 0.200" pitch, 2-7/8" tape spacing, no leadtrim (R05)</p> <p>RB = Reel pack, 0.200" pitch, 2-1/16" tape spacing, no leadtrim (R08) RE = Reel pack, 0.200" pitch, 2-1/16" tape spacing, with leadtrim (R36) RG = Reel pack, 0.200" pitch, 2-1/2" tape spacing, with leadtrim (R20) RH = Reel pack, 0.200" pitch, 2-7/8" tape spacing, with leadtrim (R64) R6 = Reel pack (RE6, std taping except 1,000pcs/reel) SL = Custom pack, per TPI (S51)</p> <p>B8, BF (B14) bulk pack available RD (R35), RF (R48), CR (R66), RR (RD5), WF (RE5) reel pack available * MVW product is Pb-free, HVW & HVX product is Pb-bearing spacing, no leadtrim (R19, 1/2 & 3/4 sizes only)</p> <p>VISHAY DALE FILM RESISTORS</p> <p>PES</p> <p>Value Column</p> <p>181) change R = DECIMAL K = THOUSAND M = MILLION to R = ohms K = kilohms M = Megohms</p> <p>Tolerance Column</p> <p>182) Change F = ±1.0% G = ±2.0% J = ±5.0% to F = ±1% G = ±2% J = ±5%</p> <p>T.C column</p> <p>182) change K= T-1 H=T-2 to H = ±50ppm/°C (T-2) K = ±100ppm/°C (T-1)</p> <p>Packaging Column</p> <p>183) change LEAD FREE CODES K = THOUSAND M = MILLION Check datasheet for available value range PES ¼ EK = Bulk TIN/LEAD CODES BF = Bulk to STANDARD LEAD FREE CODES EK = Bulk pack STANDARD TIN/LEAD CODES BF = Bulk pack (B14)</p> <p>Vishay Dale Networks MSM (Military M83401/04, /05, /06, /07, /08, /09)</p> <p>199) change title „VISHAY DALE NETWORK/ARRAY RESISTORS MSM (Military M83401/04, /05, /06, /07, /08, /09)" TO „VISHAY DALE NETWORKS MSM (Military M83401/04, /05, /06, /07, /08, /09)"</p> <p>200) change Column Heading title „MODEL" TO „MILITARY STYLE"</p> <p>201) add column „MIL. SPEC. SHEET"</p> <p>MILITARY STYLE column</p> <p>202) remove M8340104</p> <p style="padding-left: 40px;">M8340105</p> <p style="padding-left: 40px;">M8340106</p> <p style="padding-left: 40px;">M8340107</p> <p style="padding-left: 40px;">M8340108</p> <p style="padding-left: 40px;">M8340109</p> <p>203) add M83401</p> <p>MIL. SPEC. SHEET column</p> <p>204) add 04 = MSM06C</p> <p style="padding-left: 40px;">05 = MSM08C</p> <p style="padding-left: 40px;">06 = MSM10C</p> <p style="padding-left: 40px;">07 = MSM06A</p> <p style="padding-left: 40px;">08 = MSM08A</p> <p style="padding-left: 40px;">09 = MSM10A</p>

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	<p>TC column 205) change K = ±100ppm TO K = ±100ppm/°C M = ±300ppm M = ±300ppm/°C</p> <p>VALUE column 206) remove „Per std. Mil. Spec Check datasheet for available value range“ 207) add „For C and G schematics: 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an “R” is used as a decimal placeholder.“ 208) add „For H schematic: Per std MIL spec resistance designator table (All are in format “Axxx”)“ 209) add „(NOTE: P/N FORMAT PER MILPRF-83401)“ 210) add „Check data sheet for available value range“</p> <p>TOLERANCE column 211) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5%</p> <p>SCHEMATIC column 212) change „C” TO „C = Bussed, pin “1” common (01)“ change „G” TO „G = Isolated (03)“ change „H” TO „H = Dual Terminator (05)“</p> <p>PACKAGING column 213) change „STD TIN/LEAD CODES” TO „STANDARD TIN/LEAD CODES” change „STD TIN/LEAD SLDC CODES” TO „STANDARD TIN/LEAD SLDC CODES” change „NON-STD TIN/LEAD CODES” TO „NON-STANDARD TIN/LEAD CODES”</p> <p>STANDARD TIN/LEAD CODES 214) change „D03 = tube” TO „D03 = Tube pack”</p> <p>STANDARD TIN/LEAD SLDC CODES 215) change „DSL = Tube” TO „DSL = Tube pack, SLDC”</p> <p>NON-STANDARD TIN/LEAD CODES 216) remove „Contact Marketing” 217) add D29 = Tube pack, parts packaged side-by-side S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S30 special pack available</p> <p>Vishay Dale Networks MDRC 218) change SAP Description „MDRC-1641-500G E04 e3” TO „MDRC-1641-500G E04 e1”</p> <p>VALUE column 219) change „First two are significant digits, 3rd is multiplier.” TO „(value in ohms) 3-digit numeric code where the first two digits are the significant figures and the last digit is the multiplier.”</p> <p>TOLERANCE column 220) change „S = Special, none” TO „S = Special, per TPI”</p>

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	<p>PACKAGING column</p> <p>221) change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „STD TIN/LEAD SLDC CODES“ TO „STANDARD TIN/LEAD SLDC CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD TIN/LEAD CODES</p> <p>222) change „E04* = tube“ TO „E04 = Tube pack“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>223) remove „Contact Marketing“ and „Leadfree version not currently released“</p> <p>224) add D02 = Tube pack, plugged S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic S51 = Custom pack, per TPI M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S10, S11, S30 special pack available</p> <p>SPECIAL column</p> <p>225) change „S1 Dash #'s S1 thru S99 as applicable“ TO „Dash #'s 1 thru 999 as applicable“</p> <p>226) add Blank = Standard Example: 1 = S1 10 = S10</p> <p>Vishay Dale Networks MDP (45,46)</p> <p>227) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS MDP (45, 46)“ TO „VISHAY DALE NETWORKS MDP (45, 46)“</p> <p>228) change SAP Description „MDP16-45 E04 e3“ TO „MDP16-45 E04 e1“</p> <p>229) change Column Heading „PINS“ TO „PIN COUNT“</p> <p>SCHEMATIC column</p> <p>230) change „45“ TO „45 = TTL/ECL Translator“ change „46“ TO „46 = Signal Terminator“</p> <p>PACKAGING column</p> <p>231) change „STD LEADFREE CODES**“ TO „STANDARD LEAD FREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES</p> <p>232) change „E04* = Tube“ TO „E04 = Tube pack“</p> <p>STANDARD TIN/LEAD CODES</p> <p>233) change „D04 = Tube“ TO „D04 = Tube pack“</p> <p>235) add D02 = Tube pack, plugged S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic</p>

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	<p>S51 = Custom pack, per TPI M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S10, S11, S30 special pack available 236) remove „*Leadfree version not currently released“ SPECIAL column 237) add „Blank = Standard“ 238) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“ Vishay Dale Networks MDP (05) 239) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS MDP (05)“ TO „Vishay Dale Networks MDP (05)“ 240) change SAP Description „MDP16-05-161/261G 2% E04 e3“ TO „MDP16-05-161/261G 2% E04 e1“ SCHEMATIC column 241) change „05“ TO „05 = Dual Terminator“ TOLERANCE column 242) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10% S = Special, none S = Special, per TPI PACKAGING column 243) change „STD LEADFREE CODES“ TO „STANDARD LEAD FREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“ STANDARD LEAD FREE CODES 244) change „E04* = Tube“ TO „E04 = Tube pack“ STANDARD TIN/LEAD CODES 245) change „D04 = Tube“ TO „D04 = Tube pack“ NON-STANDARD TIN/LEAD CODES 246) remove „Contact Marketing“ 247) add D02 = Tube pack, plugged S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic S51 = Custom pack, per TPI M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S10, S11, S30 special pack available 248) remove „*Leadfree version not currently released“ SPECIAL column 249) add „Blank = Standard“ 250) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“</p>

REVISION DATE	REVISION DESCRIPTION
	<p>Vishay Dale Networks MDP(01, 03, 00)</p> <p>251) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS MDP (01, 03, 00)“ TO „Vishay Dale Networks MDP(01, 03, 00)“</p> <p>252) change SAP Description „MDP14-05- 221/271G 2% E04 e3“ TO „MDP14-05- 221/271G 2% E04 e1“</p> <p>SCHEMATIC column</p> <p>253) add „STANDARD“ and „NON-STANDARD“</p> <p>STANDARD</p> <p>254) change "01" TO „01 = Bussed, pin "n" common" change „03" TO „03 = Isolated"</p> <p>NON-STANDARD</p> <p>255) change „00" TO „00 = Custom, per TPI" VALUE column</p> <p>256) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = Megohms</p> <p>257) add „0000 = 0 Ohm Jumper" add „XXXX = Special (value per TPI)"</p> <p>258) remove „If no value/value code is displayed, use X as filler. 0000 = 0 Ohm Jump" TOLERANCE column</p> <p>259) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10% S = Special, none S = Special, per TPI Z = 0 Ohm Jump Z = 0 Ohm Jumper</p> <p>PACKAGING column</p> <p>260) change „STD LEADFREE CODES*" TO „STANDARD LEAD FREE CODES" change „STD TIN / LEAD CODES" TO „STANDARD TIN/LEAD CODES" change „NON-STD TIN / LEAD CODES" TO „NON-STANDARD TIN/LEAD CODES"</p> <p>STANDARD LEAD FREE CODES</p> <p>261) change „E04* = Tube" TO „E04 = Tube pack"</p> <p>STANDARD TIN/LEAD CODES</p> <p>262) change „D04 = Tube" TO „D04 = Tube pack"</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>263) remove „Contact Marketing"</p> <p>264) add D02 = Tube pack, plugged S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic S51 = Custom pack, per TPI M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S10, S11, S30 special pack available</p> <p>265) remove „*Leadfree version not currently released"</p>

REVISION DATE	REVISION DESCRIPTION
	<p>SPECIAL column 266) add „Blank = Standard“ 267) add „GENERAL USAGE DASH NUMBERS 399 = Backside soldering“ Vishay Dale Networks MDM (Military M83401/01, /02) 268) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS MDM (Military M83401/01, /02)“ TO „Vishay Dale Networks MDM (Military M83401/01, /02)“ 269) remove MODEL column 270) add MILITARY STYLE column and MIL. SPEC SHEET column MILITARY STYLE 271) add „M83401“ MIL.SPEC. SHEET column 272) add 01 = MDM14 02 = MDM16 TC column 273) change M = $\pm 300\text{ppm}$ TO K = $\pm 100\text{ppm}/^\circ\text{C}$ K = $\pm 100\text{ppm}$ M = $\pm 300\text{ppm}/^\circ\text{C}$ VALUE column 274) remove „Per std Mil. Code“ 275) add „For A and B schematics: 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an “R” is used as a decimal placeholder.“ 276) add „For J schematic: Per std MIL spec resistance designator table (All are in format “Axxx”)“ 277) add „(NOTE: P/N FORMAT PER MILPRF-83401)“ TOLERANCE column 278) change F = $\pm 1.0\%$ TO F = $\pm 1\%$ G = $\pm 2.0\%$ G = $\pm 2\%$ J = $\pm 5.0\%$ J = $\pm 5\%$ SCHEMATIC column 279) arrange value as (ABJ) 280) change „A“ TO „A = Isolated (03)“ change „B“ TO „B = Bussed, pin “n” common (01)“ change „J“ TO „J = Dual Terminator (05)“ PACKAGING column 281) change „STD LEADFREE CODES“ TO „STANDARD LEAD FREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“ STANDARD LEAD FREE CODES 282) change „D04 = Tube“ TO „D04 = Tube pack“ STANDARD TIN/LEAD CODES 283) change „DSL = Tube“ TO „DSL = Tube pack SLDC“</p>

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	<p>NON-STANDARD TIN/LEAD CODES</p> <p>284) remove „Contact Marketing“</p> <p>285) add D02 = Tube pack, plugged</p> <p style="padding-left: 20px;">S13 = Tube pack, 5 tube/bundle, with antistatic overpack</p> <p style="padding-left: 20px;">S14 = Tube pack, 1 tube/bundle, with antistatic overpack</p> <p style="padding-left: 20px;">S15 = Tube pack, individual unit packaging, antistatic</p> <p style="padding-left: 20px;">M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available</p> <p style="padding-left: 20px;">S03, S10, S11, S30 special pack available</p> <p>Vishay Dale Networks MCMB / MCML / MCMU</p> <p>286) change Title „VISHAY DALE NETWORKS MCMB / MCML / MCMU“ TO „Vishay Dale Networks MCMB / MCML / MCMU“</p> <p>VERSION column</p> <p>287) change „1 thru 999 Also 01S8 thru 04S11“ TO „1 thru 999 (for all models) and 01S1 thru 04S11 (for MCMB only) as required“</p> <p>288) remove „(Example 01S9, 03S11, 04S9, etc.)“</p> <p>289) add 1 = S1</p> <p style="padding-left: 20px;">2 = S2</p> <p style="padding-left: 20px;">01S9</p> <p style="padding-left: 20px;">03S11</p> <p style="padding-left: 20px;">04S9</p> <p>Vishay Dale Networks DFRC</p> <p>290) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS DFRC“ TO „Vishay Dale Networks DFRC“</p> <p>291) change Column Heading „SPECIAL 1 digit“ TO „SPECIALS 1 TO 3 digit“</p> <p>SCHEMATIC column</p> <p>292) remove 01, 03, & 00</p> <p>293) change „10“ TO „10 = Custom, per TPI“</p> <p>PACKAGING column</p> <p>294) change „STD LEADFREE CODES“ TO „STANDARD LEAD FREE CODES“</p> <p style="padding-left: 20px;">change „STD TIN / LEAD CODES“ TO „STANDARD TIN/LEAD CODES“</p> <p style="padding-left: 20px;">change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES</p> <p>295) change „E05* = Tube“ TO „E05 = Tube pack“</p> <p>STANDARD TIN/LEAD CODES</p> <p>296) change „D05 = Tube“ TO „D05 = Tube pack“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>297) remove „Contact Marketing =“</p> <p>298) add S13 = Tube pack, 5 tube/bundle, with antistatic overpack</p> <p style="padding-left: 20px;">S14 = Tube pack, 1 tube/bundle, with antistatic overpack</p> <p style="padding-left: 20px;">S15 = Tube pack, individual unit packaging, antistatic</p> <p style="padding-left: 20px;">S51 = Custom pack, per TPI</p> <p style="padding-left: 20px;">M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available</p> <p style="padding-left: 20px;">S03, S10, S11, S30 special pack available</p>

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	<p>SPECIALS column 299) add „1 thru 999 as required“ 300) add „Blank = Standard“ 301) change S1 = 1 TO 1 = S1 S2 = 2 2 = S2</p> <p>Vishay Dale Networks DFP 302) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS DFP“ TO „Vishay Dale Networks DFP“ 303) change SAP Part Number „DFP140110K0GD05“ TO „DFP141210K0GD05“ 304) change SAP Description „DFP14-01 10K 2% D05“ TO „DFP14-12 10K 2% D05“</p> <p>SCHEMATIC column 305) add „STANDARD“ and „NON-STANDARD“ category</p> <p>STANDARD 306) change „11“ TO „11=Isolated“ change „12“ TO „12=Bussed, pin “n” common“</p> <p>NON-STANDARD 307) change „10“ TO “10 = Custom, per TPI”</p> <p>VALUE column 308) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = Megohms</p> <p>309) add „0000 = 0 ohm jumper“ 310) add „XXXX = Special (value per TPI)“ 311) remove „If no value/value code displayed, use X as filler.“</p> <p>TOLERANCE column 312) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% S = Special, none S = Special, per TPI</p> <p>313) add „Z = 0 ohm jumper“</p> <p>PACKAGING column 314) change „STD LEADFREE CODES“ TO „STANDARD LEAD FREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES 315) change „E05* = Tube“ TO „E05 = Tube pack“</p> <p>STANDARD TIN/LEAD CODES 316) change „D05 = Tube“ TO „D05 = Tube pack“</p>

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	<p>NON-STANDARD TIN/LEAD CODES</p> <p>317) add S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic S51 = Custom pack, per TPI M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S10, S11, S30 special pack available</p> <p>318) remove „Contact Marketing“</p> <p>Vishay Dale Networks DFM (Military M83401/03)</p> <p>319) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS DFM (Military M83401/03)“ TO „Vishay Dale Networks DFM (Military M83401/03)“</p> <p>320) change SAP Description „DFM14-15-820/131G 2% M M8340103MA001G JD05“ TO „DFM14-15-820/131G 2% M M8340103MA001GJ D05“</p> <p>MILITARY STYLE column</p> <p>321) change „DFM = M83401“ TO „M83401“</p> <p>MIL. SPEC. SHEET</p> <p>322) change „03“ TO „03 = DFM14“</p> <p>TC column</p> <p>323) change K = 100PPM TO K = ±100ppm/°C M = 300PPM M = ±300ppm/°C</p> <p>VALUE column</p> <p>324) remove „Std. Mil. Code“</p> <p>325) add „For A and B schematics: 4-digit numeric code where the first three digits are the significant figures and the last digit is the multiplier. For values below 100 ohms, an “R” is used as a decimal placeholder.“</p> <p>356) add „For J schematic: Per std MIL spec resistance designator table (All are in format “Axxx”)“</p> <p>357) add „(NOTE: P/N FORMAT PER MILPRF-83401)“</p> <p>TOLERANCE column</p> <p>358) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5%</p> <p>SCHEMATIC column</p> <p>359) change A TO A = Isolated, pin “n” common (11) B B = Bussed (12) J J = Dual Terminator (15)</p> <p>PACKAGING column</p> <p>360) change „STD LEADFREE CODES**“ TO „STANDARD TIN/LEAD FREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN/LEAD SLDC CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD TIN/LEAD FREE CODES</p> <p>361) change „D05 = Tube“ TO „d05 = Tube pack“</p> <p>STANDARD TIN/LEAD SLDC CODES</p> <p>362) change „DSL = Tube“ TO „DSL = Tube pack SLDC“</p>

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	<p>NON-STANDARD TIN/LEAD CODES</p> <p>363) add S13 = Tube pack, 5 tube/bundle, with antistatic overpack S14 = Tube pack, 1 tube/bundle, with antistatic overpack S15 = Tube pack, individual unit packaging, antistatic S51 = Custom pack, per TPI M02, M03, M04, M05, M06, M07, M10, M11, M12, M13, M14, M15 heat seal pack available S03, S07, S11, S30 special pack available</p> <p>364) remove „Contact Marketing“</p> <p>Vishay Dale Networks CZA</p> <p>365) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS CZA“ TO „Vishay Dale Networks CZA“</p> <p>TERMINAL column</p> <p>367) remove E, and P</p> <p>368) change „S“ TO „S = Convex, square corner“</p> <p>ATTENUATION column</p> <p>369) remove all values under this column</p> <p>370) add 005 = 0.5 dB 010 = 1 dB 015 = 1.5 dB 020 = 2 dB 030 = 3 dB 040 = 4 dB 050 = 5 dB 060 = 6 dB 070 = 7 dB 080 = 8 dB 090 = 9 dB 100 = 10 dB</p> <p>371) add 110 = 11 dB 120 = 12 dB 130 = 13 dB 140 = 14 dB 150 = 15 dB 160 = 16 dB 170 = 17 dB 180 = 18 dB 190 = 19 dB 200 = 20 dB</p> <p>372) add „000 = 0 dB or 0 ohm jumper“</p>

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	<p>IMPEDANCE column</p> <p>373) change „050“ TO „050 = 50 ohm“ change „100“ TO „100 = 100 ohm“ change „300“ TO „300 = 300 ohm“ change „600“ TO „600 = 600 ohm“ change „000 = 0 Omega jumper“ TO „000 = 0 ohm jumper“</p> <p>374) add „075 = 75 ohm“ add „NOTE: For 0 dB part, use impedance of 50 ohm to 600 ohm, not “000”“</p> <p>TOLERANCE column</p> <p>375) change „H = ±0.5 Db%“ TO „H = ±0.5 dB (for attenuations of 6 dB or greater)“ change „Z = ±0%“ TO „Z = 0 ohm jumper“ change „L = ±0.3 Db%“ TO „L = ±0.3 dB (for attenuations less than 6 dB)“</p> <p>PACKAGING column</p> <p>376) change „STD LEAD FREE CODES**“ TO „STANDARD LEADFREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“</p> <p>STANDARD LEADFREE CODES</p> <p>377) change „EA* = Reel“ TO „EA = Reel pack, std taping, 7” reel“</p> <p>STANDARD TIN / LEAD CODES</p> <p>378) change „TD = Reel (04 only)“ TO „TD = Reel pack, 8mm paper tape, 2mm pocket pitch, 7” reel (RT7, 04- size only)“ change „RT = Reel (06 only)“ TO „RT = Reel pack, 8mm embossed tape, 4mm pocket pitch, 7” reel (RG5, 06-size only)“</p> <p>379) remove „* Leadfree version not currently released“</p> <p>SPECIALS column</p> <p>380) add „Blank = Standard“</p> <p>Vishay Dale Networks CSRC</p> <p>381) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS CSRC“ TO „Vishay Dale Networks“</p> <p>382) change Column Heading „PACKAGE“ TO „PACK. HEIGHT“ change Column Heading „RESISTANCE/TOLERANCE“ TO „RESITANCE TOLERANCE“</p> <p>PACK. HEIGHT</p> <p>383) change „B“ TO „B = Medium profile“ change „C“ TO „C = High profile“</p> <p>RESISTANCE VALUE</p> <p>384) remove „If Special, use 3 character dash #“</p> <p>PACKAGING column</p> <p>385) change „STD LEAD FREE CODES**“ TO „STANDARD LEADFREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES</p> <p>386) change „E* = Bulk“ TO „E = Bulk pack“</p> <p>STANDARD TIN / LEAD CODES</p> <p>387) change „P = Bulk“ TO „P = Bulk pack (P03)“</p>

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NON-STANDARD TIN/LEAD CODES

388) add M = Heat seal pack (m11)|

389) remove „* Leadfree version not currently released = bulk“

Remove „Contact Marketing“

Vishay Dale Networks CSC (05)

390) change Title „VISHAY DALE NETWORK/ARRAY RESISTORS CSC (05)“ TO „Vishay Dale Networks CSC (05)“

PIN COUNT column

391) add 13, 14, 15, 16, 17, 18

PACK. HEIGHT

392) add „STANDARD“ and „NON-STANDARD“

STANDARD

393) change „A“ TO „A = Low profile“

change „B“ TO „B = Medium profile“

NON-STANDARD

394) change „C“ TO „C = High profile“

SCHEMATIC

395) change „05“ TO 05 = Dual Terminator

TOLERANCE

396) change F = $\pm 1.0\%$ TO F = $\pm 1\%$ G = $\pm 2.0\%$ G = $\pm 2\%$ J = $\pm 5.0\%$ J = $\pm 5\%$

397) add „S = Special, per TPI“

PACKAGING column

398) change „STD LEAD FREE CODES**“ TO „STANDARD LEADFREE CODES“

change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“

change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“

STANDARD LEADFREE CODES

399) change „EK* = Bulk“ TO „EK = Bulk pack“

STANDARD TIN / LEAD CODES

400) change „EJ* = Tube“ TO „EJ = Tube pack“

NON-STANDARD TIN/LEAD CODES

401) change „PA = Bulk“ TO „PA = Bulk pack (P03)“

402) add MA = Heat seal pack (M11)

DA = Tube pack (D03)

WE = Tray pack (T12)

403) remove „* Leadfree version not currently released“

remove „Contact Marketing“ SPECIAL column

404) add „Blank = Standard“

Vishay Dale Networks CSC (01, 03, 00)

405) change title „VISHAY DALE NETWORK/ARRAY RESISTORS CSC (01, 03, 00)“ TO „Vishay Dale Networks CSC (01, 03, 00)“

406) change Columg Heading „Height“ TO „PACK. HEIGHT“

PACK. HEIGHT

407) add „STANDARD“ and „NON-STANDARD“

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	<p>STANDARD</p> <p>408) change „A“ TO „A = Low profile“ change „B“ TO „B = Medium profile“</p> <p>NON-STANDARD</p> <p>409) change „C“ TO „C = High profile“</p> <p>PIN COUNT</p> <p>410) add 13, 14, 15, 16, 17, 18</p> <p>411) remove „Even count for 03 schematic“</p> <p>SCHEMATIC</p> <p>412) remove all values under this column</p> <p>413) add „STANDARD“ and „NON-STANDARD“</p> <p>STANDARD</p> <p>414) add 01 = Bussed, pin “1” common 03 = Isolated (even pin counts only)</p> <p>NON-STANDARD</p> <p>415) add 02 = Combined group resistors 04 = Bussed, pin “1” and “n” common 06 = Bussed, middle pin common (odd pin counts only) 07 = Bussed, pin “n” common 00 = Custom, per TPI</p> <p>VALUE column</p> <p>416) change „R = DECIMAL“ TO „R = ohms“ change „K = THOUSAND“ TO „K = kilohms“ change „M = MILLION“ TO „M = Megohms“</p> <p>417) add „0000 = 0 ohm jumper or special (value per TPI)“</p> <p>TOLERANCE column</p> <p>418) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5%</p> <p>PACKAGING column</p> <p>419) change „STD LEAD FREE CODES“ TO „STANDARD LEADFREE CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>420) add NON-STANDARD LEAD FREE CODES STANDARD LEAD FREE CODES</p> <p>421) change „EK“ = Bulk“</p> <p>NON-STANDARD LEAD FREE CODES</p> <p>422) change „EJ“ TO „EJ = Tube pack“</p> <p>NON-STANDARD TIN / LEAD CODES</p> <p>423) add PA = Bulk pack (P03) MA = Heat seal pack (M11) DA = Tube pack (D03) WE = Tray pack (T12) SL = Custom pack, per TPI (S51)</p>

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	<p>SPECIALS</p> <p>424) add „Blank=Standard.“</p> <p>Vishay Dale Network/Array Resistors CS206</p> <p>424) change in SAP Description „CS20608CTC102J101K E e3“ TO „CS20608CTC102J101K E e1“ change in SAP Description „CS20608CTC102J101K-S2 E e3“ TO „CS20608CTC102J101K-S2 E e1“</p> <p>425) change in Colum heading „MODEL 3 TO 5 DIGITS“ TO „MODEL 3 DIGITS“ change in Column Heading „CAP. VALUE“ TO „CAPACITANCE VALUE“ change in Column Heading „TOLERANCE“ TO „CAPACITANCE TOLERANCE“</p> <p>PACK & SCHEMATIC column</p> <p>426) change „S = Special (always C)“ TO „S = Special (package height always “C”)“</p> <p>CAP. DIELECTRIC column</p> <p>427) change C TO C = C0G X X = X7R S = Special always 00) S = Special, per TPI</p> <p>RESISTANCE VALUE column</p> <p>428) remove „First two are significant digits, 3rd is multiplier. 000 = Special (always null)“</p> <p>429) add „3-digit numeric code (in ohms) where the first two digits are the significant figures and the last digit is the multiplier.“ add „000 = Special (always null)“</p> <p>RESISTANCE TOL column</p> <p>430) add „F = ±1%“</p> <p>CAPACITANCE VALUE</p> <p>431) remove „First two are significant digits, 3rd is multiplier.“</p> <p>432) add „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“ add „Check data sheet for available value range“</p> <p>CAPACITANCE TOLERANCE column</p> <p>434) change „S = Special (always null)“ TO „S = Special, per TPI“</p> <p>PACKAGING column</p> <p>435) change „STD LEAD FREE CODES**“ TO „STANDARD LEADFREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES</p> <p>436) change „E* = Bulk“ TO „E = Bulk pack“</p> <p>STANDARD TIN / LEAD CODES</p> <p>437) change „P = Bulk“ TO „P = Bulk pack (P03)“</p> <p>NON-STANDARD TIN / LEAD CODES</p> <p>438) add „M = Heat seal pack (M11)“</p> <p>439) remove „Contact Marketing“</p> <p>440) remove „* Leadfree version not 13 currently Released“</p> <p>SPECIAL column</p> <p>441) add „AA to ZZ as needed“ add „Blank = Standard“</p>

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	<p>Vishay Dale Networks CS201</p> <p>442) change in SAP Description „CS20110D3X103K5 E e3“ TO „CS20110D3X103K5 E e1“</p> <p>443) change in Column Heading „MODEL 3 to 4 Digits“ TO „MODEL 3 digits“ change in Column Heading „TOLERANCE“ TO „CAP. TOLERANCE“</p> <p>SCHEMATIC column</p> <p>444) change 1 = 01 TO 1 = Bussed, pin “1” common (01) 3 = 03 3 = Isolated (03; even pin counts only) 4 = 04 4 = Bussed, pin “1” and “n” common (04) 0 = 00 0 = Custom, per TPI (00)</p> <p>CAP. DIELECTRIC</p> <p>445) change C TO C = C0G X X = X7R</p> <p>CAP VALUE column</p> <p>446) remove „First two are significant digits, 3rd is multiplier. 000 = Special“</p> <p>447) add „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“ add „000 = Special“</p> <p>CAP. TOLERANCE</p> <p>448) change „S = Special“ TO „S = Special, per TPI“</p> <p>CAPACITOR VOLTAGE column</p> <p>449) change „S = Special“ TO „S = Special, per TPI“</p> <p>450) add „1 = 100V“</p> <p>PACKAGING column</p> <p>451) change „STD LEAD FREE CODES**“ TO „STANDARD LEADFREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES</p> <p>452) change „E* = Bulk“ TO „E =Bulk pack“</p> <p>STANDARD TIN / LEAD CODES</p> <p>453) change „P = Bulk“ TO „P = Bulk pack (P03)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>454) add „M = Heat seal pack (M11)“</p> <p>455) remove „Contact Marketing“</p> <p>SPECIAL column</p> <p>456) change „1 thru 999“ TO „1 thru 999 as required“</p> <p>457) add „Blank = Standard“</p> <p>Vishay Dale Networks CRCA</p> <p>458) change in Title „VISHAY DALE NETWORK/ARRAY RESISTORS CRCA“ TO „Vishay Dale Networks CRCA“</p> <p>459) change in Column Heading „PIN“ TO „PIN COUNT“ change in Column Heading „CIRCUIT“ TO „SCHEMATIC“ change in Column Heading „CAP. VALUE“ TO „CAPACITANCE VALUE“</p>

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	<p>TERMINAL column 460) remove P 461) change „S“ TO „S = Convex, square corner“ change „E“ TO „E = Convex, scalloped corner“</p> <p>PIN COUNT 462) remove „16“</p> <p>SCHEMATIC 463) change „0 = SPECIAL“ TO „0 = Custom, per TPI“</p> <p>RESISTANCE VALUE column 464) remove „First two digits significant, last digit signifies multiplier. Assume Tol $\pm 5\%$ = J“ 465) add „3-digit numeric code (in ohms) where the first two digits are the significant figures and the last digit is the multiplier.“ add „Tolerance is $\pm 5\%$ (J)“</p> <p>CAPACITANCE column 466) remove „In picofarad, first two digits significant, last digit is multiplier. Assume Tol $\pm 20\%$ = M“ 467) add „3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier.“ add „Tolerance is $\pm 20\%$ (M)“ add „Check data sheet for available value“</p> <p>PACKAGING column 468) change „STD LEAD FREE CODES“ TO „STANDARD LEADFREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES 469) change „E = Reel“ TO „E = Reel pack, 12mm Embossed tape, 8mm pocket pitch, 7” reel“</p> <p>STANDARD TIN / LEAD CODES 470) change „R = Reel“ TO „R = Reel pack, 12mm Embossed tape, 8mm pocket pitch, 7” reel (RB8)“</p> <p>NON-STANDARD TIN/LEAD CODES 471) remove „Contact Marketing“ 472) add „M = Heat seal pack (M11)“</p> <p>SPECIAL column 473) change „1 thru 9“ TO „Dash #'s 1 thru 9 as applicable“ 474) add „Blank = Standard“</p> <p>NEW Vishay Dale Film Resistors Fast Track Program (cont 3 of 3) 475) add new SAP Part Number „FSTTRK10DALEFFCOM“ and „FSTTRK20R-CHIPMIL“ 476) add new SAP Description „FSTTRK10DALEFFCOM S31“ and „FSTTRK20R-CHIPMIL S31“ 477) add note „Standard packaging code S31 for all part numbers“ 478) add CHARGE column, LEAD TIME column, RESISTOR STYLE column</p> <p>CHARGE column 479) add „FSTTRK“</p>

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	<p>LEAD TIME column 480) add 05 = 5 working days 10 = 10 working days 15 = 15 working days 20 = 20 working days</p> <p>RESISTOR STYLE column 481) add DALEFFMIL = Dale Leaded-Film Military (Material Group FF1) DALEFFCOM = Dale Film Leaded Commercial (Material Group FF2) R-CHIPMIL = Dale R-Chips (SMD) Military (Material Group FF3)</p> <p>Vishay Dale Film Resistors LOT Charges (cont 2 of 3) 482) change in Title „VISHAY DALE FILM RESISTORS MISCELLANEOUS (cont 2 of 3)“ TO „Vishay Dale Film Resistors LOT Charges (cont 2 of 3)“ 483) change in SAP Description „Part number for Dale Film military surface mount charges, packaging S31“ TO „LOTCHG-R-CHIPMIL S31“ 484) add SAP Part Number „LOTCHG-DALEFILMMIL“ add SAP Description „LOTCHG-DALEFILMMIL S31“ add Note „Standard packaging code S31 for all part numbers“</p> <p>RESISTOR STYLE column 485) remove all data under this column 486) add DALEFILMMIL = Dale Leaded-Film Military (Material Group FF1) DALEFILMCOM = Dale Leaded Film Commercial (Material Group FF2) R-CHIPMIL = Dale R-Chips (SMD) Military (Material Group FF3)</p> <p>Vishay Dale Networks Miscellaneous (cont 1 of 3) 487) change in Title „VISHAY ANGSTROHM FILM RESISTORS MISCELLANEOUS / CHARGES (cont 1 of 3)“ TO „Vishay Dale Networks Miscellaneous (cont 1 of 3)“ 488) change and arrange SAP Description „(Part number for 810187-06 reel plug, packaged B29)“ TO „810187-06 B29 (Part number for 810187-06 reel plug, packaged B29)“</p> <p>PACKAGING column 489) add „Click to go to Packaging Code definition page“</p> <p>Vishay Dale Film Resistors T-Series VALUE column 490) change M = Million TO M = Megohms G = GIGA G = Gigohms</p> <p>TOLERANCE column 491) change J = $\pm 5.0\%$ TO J = $\pm 5\%$ K = $\pm 10.0\%$ K = $\pm 10\%$</p> <p>PACKAGING column 492) change „STD LEAD FREE CODES**“ TO „STANDARD LEADFREE CODES“ change „STD TIN / LEAD CODES“ TO „STANDARD TIN / LEAD CODES“ change „NON-STD TIN / LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>493) add „NON-STANDARD LEAD FREE CODES“ STANDARD LEADFREE CODES</p> <p>494) change „E21* = Bulk“ TO „E21 = Bulk pack, big box“</p>

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	<p>STANDARD TIN / LEAD CODES 495) change „B21 = Bulk“ TO „B21 = Bulk pack, big box“</p> <p>NON-STANDARD LEADFREE CODES 496) add „E22 = Bulk pack, small box“</p> <p>NON-STANDARD TIN / LEAD CODES 497) add B14 = Bulk pack B22 = Bulk pack, small box S51 = Custom pack, per TPI</p> <p>SPECIAL column 498) add „Blank = Standard“</p> <p>Vishay Dale Film Resistors SPWC</p> <p>SIZE column 499)remove 104A 104B 104C</p> <p>500) add 0104 0105 0204 0205</p> <p>VALUE column 501) change „R = decimal“ TO „R = ohms“</p> <p>TOLERANCE column 502) change „J = ±5.0%“ TO „J = ±5%“</p> <p>PACKAGING column 503) change „STD CODES“ TO „STANDARD CODES“</p> <p>STANDARD CODES 504) change „SL = per TPI“ TO „SL = Custom pack, per TPI (S51)“</p> <p>SPECIAL column 505) add „Blank = Standard“</p> <p>Vishay Dale Film Resistors SPW</p> <p>SIZE column 506) add „001 thru 999“ add „(Standard Catalog sizes)“</p> <p>VALUE column 507) change „R = decimal“ TO „R = ohms“</p> <p>TOLERANCE column 508) change G = ±2.0% TO G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10%</p> <p>PACKAGING column 509) change „STD CODES“ TO „STANDARD CODES“</p>

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	<p>STANDARD CODES 510) change „SL = per TPI“ TO „SL = Custom pack, per TPI (S51)“ SPECIAL column 511) add „Blank = Standard“</p> <p>NEW Vishay Dale Film Resistors SPF 514) add SAP Part Number „SPF-13“ and „SPF-172-2“ 515) add SAP Description „SPF-13 S51“ and „SPF-175-2 S51“ 516) add Note „Standard packaging code S51 for all part numbers“ 517) add MODEL column, TYPE column, SPECIAL column MODEL column 518) add „SPF“ TYPE column 519) add -1 thru -999 -2 -5 -34 -76 -101 -186</p> <p>SPECIAL column 517) add „-xxx (only if needed, where xxx = 1 thru 999)“</p> <p>Vishay Dale Film Resistors RZY 518) add SAP Part Number „RZY1F02“ 519) add SAP Description „RZY-1 F02“ PACKAGING column 520) change „STD CODES“ TO „STANDARD TIN / LEAD CODES“ change „NON-STD CODES“ TO „NON-STANDARD TIN / LEAD CODES“</p> <p>STANDARD TIN / LEAD CODES 521) change „S51 = see TPI“ TO „S51 = Custom pack, per TPI“</p> <p>NON-STANDARD TIN / LEAD CODES 522) remove „Contact Marketing“ 523) add F02 = Foam pack F05 = Foam pack, 5/ea rolled diagonally in Microfoam</p> <p>SPECIAL column 524) add „Blank = Standard“</p> <p>Vishay Dale Film Resistors ROX 525) change Column Heading „OPT. CONSTRUCTION“ TO „OPTIONAL CONSTRUCTION“ VALUE column 526) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = Megohms G = GIGA G = Gigohms</p>

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	<p>TOLERANCE column</p> <p>527) change D = 0.5 TO D = ±0.5%</p> <p style="padding-left: 40px;">F = 1.0 F = ±1%</p> <p style="padding-left: 40px;">G = 2.0 G = ±2%</p> <p style="padding-left: 40px;">J = 5.0 J = ±5%</p> <p style="padding-left: 40px;">K = 10.0 K = ±10%</p> <p>T.C column</p> <p>528) arrange values at (H, K, N)</p> <p>529) change N = T-00 TO N = ±200ppm/°C (T-00)</p> <p style="padding-left: 40px;">K = T-1 K = ±100ppm/°C (T-1)</p> <p style="padding-left: 40px;">H = T-2 H = ±50ppm/°C (T-2)</p> <p>PACKAGING column</p> <p>530) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“</p> <p style="padding-left: 40px;">change „STD TIN/LEAD CODES“ „STANDARD TIN/LEAD CODES“</p> <p style="padding-left: 40px;">change „NON-STD TIN/LEAD CODES“ „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES</p> <p>531) change „EL = Lacer“ TO „EL = Lacer pack“</p> <p style="padding-left: 40px;">change „EE = Reel“ TO „EE = Reel pack, 0.400“ pitch, 2-1/2“ tape spacing, no leadtrim“</p> <p style="padding-left: 40px;">change „EM = Foam“ TO „EM = Foam pack, 5/ea rolled diagonally in Microfoam“</p> <p>STANDARD TIN/LEAD CODES</p> <p>532) change „LB = Lacer“ TO „LB = Lacer pack (L05)“</p> <p style="padding-left: 40px;">change „RF = Reel“ TO „RF = Reel pack, 0.400“ pitch, 2-1/2“ tape spacing, no leadtrim (R48)“</p> <p style="padding-left: 40px;">change „F5 = Foam“ TO „F5 = Foam pack, 5/ea rolled diagonally in Microfoam (F05)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>533) remove „Contact Marketing“</p> <p>534) add „SL = Custom pack, per TPI (S51)“</p> <p style="padding-left: 40px;">add „RD (R35), WF (RE5), R6 (RE6) reel pack available“</p> <p>OPTIONAL CONSTRUCTION</p> <p>535) change „N“ TO „N = Non-inductive (200ppm TC only)“</p> <p style="padding-left: 40px;">change „P“ TO „P = 0.040“ DIA leads“</p> <p style="padding-left: 40px;">change „S“ TO „S = Solid body, axial“</p> <p style="padding-left: 40px;">change „T“ TO „T = Threaded terminals“</p> <p style="padding-left: 40px;">change „Y“ TO „Y = One end axial, one end threaded terminal“</p> <p>536) remove „null“</p> <p>537) add „Blank = Standard“</p> <p>SPECIAL column</p> <p>538) add „Blank = Standard“</p>

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	<p>Vishay Dale Film Resistors RNX</p> <p>539) change Column Heading „OPT. CONSTRUCTION“ TO „OPTIONAL CONSTRUCTION“ VALUE column</p> <p>540) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = Megohms G = GIGA G = Gigohms</p> <p>TOLERANCE column</p> <p>541) change D = 0.5 TO D = ±0.5% F = 1.0 F = ±1% G = 2.0 G = ±2% J = 5.0 J = ±5% K = 10.0 K = ±10%</p> <p>T.C column</p> <p>541) arrange values at (H, K, N)</p> <p>542) change N = T-00 TO N = ±200ppm/°C (T-00) K = T-1 K = ±100ppm/°C (T-1) H = T-2 H = ±50ppm/°C (T-2)</p> <p>PACKAGING column</p> <p>543) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“ change „STD TIN/LEAD CODES“ „STANDARD TIN/LEAD CODES“ change „NON-STD TIN/LEAD CODES“ „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES</p> <p>542) change „EL = Lacer“ TO „EL = Lacer pack“ change „EB = Reel (1k pcs)“ TO „EB = Reel pack (std taping except 1,000pcs/reel)“ change „EE = Reel (full)“ TO „EE = Reel pack, 0.200” or 0.400” pitch, 2-1/2” tape spacing, no leadtrim“</p> <p>STANDARD TIN/LEAD CODES</p> <p>543) change „LB = Lacer“ TO „LB = Lacer pack (L05)“ change „RF = Reel (full)“ TO „RF = Reel pack, 0.400” pitch, 2-1/2” tape spacing, no leadtrim (R48)“ change „R6 = Reel (full)“ TO „F5 = Foam pack, 5/ea rolled diagonally in Microfoam (F05)“ change „RC = Reel (full)“ TO „RC = Reel pack, 0.200” pitch, 2-1/2” tape spacing, no leadtrim (R19)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>544) remove „Contact Marketing“ remove „* Leadfree version not currently released“</p> <p>545) add „SL = Custom pack, per TPI (S51)“ add „BF = Bulk pack (B14)“ add „A5, RA (R05), RB (R08), RG (R20), RE (R36), WG (RE4), WF (RE5), R7 (RE7), R8 (RE8) CK (RH4) reel pack available“</p> <p>OPTIONAL CONSTRUCTION</p> <p>546) add „Blank = Standard“</p> <p>547) change „N“ TO „N = Non-inductive (200ppm TC only)“ change „P“ TO „P = 0.032” DIA leads“</p> <p>548) remove „null“</p>

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	<p>SPECIAL column 549) add „Blank = Standard“ Vishay Dale Film Resistors RJU SIZE column 550) arrange value as (140, 150, 275, 400) VALUE column 551) change K = THOUSAND TO K = kilohms M = MILLION M = Megohms G = GIGA G = Gigohms TOLERANCE column 552) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10% T.C column 553) change N = T-00 TO K = ±100ppm/°C (T-1) K = T-1 N = ±200ppm/°C (T-00) PACKAGING column 557) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“ change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ 558) add „NON-STANDARD TIN/LEAD CODES“ STANDARD LEAD FREE CODES 559) change „E07* = Foam“ TO „E07 = Foam pack“ STANDARD TIN/LEAD CODES 560) change „F07 = Foam“ TO „F07 = Foam pack“ NON-STANDARD TIN/LEAD CODES 561) add J03 = Skin pack L05 = Lacer pack S51 = Custom pack, per TPI 562) remove „* Leadfree version not currently released“ SPECIAL column 563) add „Blank = Standard“ 564) change „Click to go to Permark codes section“ TO „Double-click below to go to Permark codes section“ Vishay Dale Film Resistors RDX 565) change Column Heading „VALUE“ TO „VALUR (R1)“ CONFIGURATION column 566) change A TO A = Axial leads B B = Radial tabs C C = Radial ends, axial tap</p>

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	<p>VALUE (R1) column</p> <p>567) change K = THOUSAND TO K = kilohms M = MILLION M = Megohms G = GIGA G = Gigohms</p> <p>TOL. Column</p> <p>568) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10%</p> <p>T.C column</p> <p>569) arrange value as (K, N)</p> <p>570) change N = T-00 TO N = ±200ppm/°C (T-00) K = T-1 K = ±100ppm/°C (T-1)</p> <p>PACKAGING column</p> <p>571) change „STD LEAD FREE CODES**“ TO „STANDARD LEAD FREE CODES**“ change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“</p> <p>572) add „NON-STANDARD TIN/LEAD CODES“ STANDARD LEAD FREE CODES*</p> <p>573) change „E03* = Skin“ TO „E03 = Skin pack“ STANDARD TIN/LEAD CODES</p> <p>574) change „J03 = skin“ TO „J03 = Skin pack“ NON-STANDARD TIN/LEAD CODES</p> <p>575) add „S51 = Custom pack, per TPI“</p> <p>RATION column</p> <p>576) change „AB thru ZY as needed“ TO „AA to ZZ as needed“</p> <p>577) add AA = 10,000:1 AB = 5,000:1 AC = 1,000:1 AD = 2,000:1 ZZ = null, see TPI</p> <p>SPECIAL column</p> <p>578) add „Blank = Standard“</p> <p>Vishay Dale Film Resistors RCWPM-99 (DSCC Drawing Military Jumper)</p> <p>579) change Title „VISHAY DALE FILM RESISTORS RCWPM-99 (Military Jumper)“ TO „Vishay Dale Film Resistors RCWPM-99 (DSCC Drawing Military Jumper)“</p> <p>580) change in SAP Description „RCWPM-1100-99 R01“ TO „RCWPM-1100-99 87011-B R01“</p> <p>581) add SAP Part Number „RCWPM0402TN99“ add SAP Description „RCWPM-0402-99 03014-B R78“</p>

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	<p>SIZE column</p> <p>582) change 0201 TO 0201 (DSCC P/N 03011-B)</p> <p>0302 0302 (DSCC P/N 03012-B)</p> <p>0402 0402 (DSCC P/N 03014-B)</p> <p>0502 0502 (DSCC P/N 88032-B)</p> <p>0550 0550 (DSCC P/N 03002-B)</p> <p>0575 0575 (DSCC P/N 90048-B)</p> <p>0603 0603 (DSCC P/N 03013-B)</p> <p>583) change 1100 TO 1100 (DSCC P/N 87011-B)</p> <p>1206 1206 (DSCC P/N 94011-B)</p> <p>2010 2010 (DSCC P/N 03015-B)</p> <p>2512 2512 (DSCC P/N 03016-B)</p> <p>5100 5100 (DSCC P/N 90049-B)</p> <p>5150 5150 (DSCC P/N 90092-B)</p> <p>7225 7225 (DSCC P/N 90047-B)</p> <p>PACKAGING column</p> <p>584) change „STD TIN/LEAD CODES“TO „STANDARD TIN/LEAD CODES“</p> <p>change „STD TIN/LEAD SLDC CODES“TO „STANDARD TIN/LEAD SLDC CODES“</p> <p>change „NON-STD TIN/LEAD CODES“TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD TIN/LEAD CODES</p> <p>585) change „TP = Reel (full)“ TO „TP = Reel pack, Embossed carrier tape, 7" reel (R01)“</p> <p>change „S3 = Reel (1K pcs)“ TO „S3 = Reel pack, Embossed carrier tape, 7" reel (S84, std taping except 1,000 pcs/reel)“</p> <p>change „S2 = Reel (500 pcs)“ TO „S2 = Reel pack, Embossed carrier tape, 7" reel (S83, std taping except 500 pcs/reel)“</p> <p>change „S6 = Reel (300 pcs)“ TO „S6 = Reel pack, Embossed carrier tape, 7" reel (S82, std taping except 300 pcs/reel)“</p> <p>change „WB = Tray“ TO „WB = Tray pack (T03)“</p> <p>STANDARD TIN/LEAD SLDC CODES</p> <p>586) change „UL = Reel“ TO „UL = Reel pack, Embossed carrier tape, 7" reel, std taping, SLDC“</p> <p>change „WL = Tray“ TO „WL = Tray pack, SLDC“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>587) remove „Contact Marketing“</p> <p>588) add TN = Reel pack, Embossed carrier tape, 7" reel, w/ESD (R78)</p> <p>SV = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S78, std taping except 1,000 pcs/reel)</p> <p>SU = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S77, std taping except 500 pcs/reel)</p> <p>ST = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S76, std taping except 300 pcs/reel)</p> <p>WA = Tray pack, w/ESD (M18)</p> <p>BC (P19), BB (P23) bulk pack available</p> <p>TU (R87), TT (RT4), SW (S79), SX (S80), S4 (S85), S5 (S86), S1 (S87), UA, UB, UC, UD, UE reel pack available</p> <p>T1 (T09), T2 (T15), T3 (T16), T4 (T17) tray pack available</p> <p>SL (S51) special pack available</p> <p>SPECIAL column</p> <p>589) change "99 as applicable" TO „99 = 0 ohm jumper“</p> <p>590) remove „Click to go to Permark codes section“</p>

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	<p>Vishay Dale Film Resistors RCWPM-99 (Military M32159 Jumper Thick Film) 591) change Title „VISHAY DALE FILM RESISTORS RCWPM-99 (Military 32159 Jumper Thick Film)“ TO „Vishay Dale Film Resistors RCWPM-99 (Military M32159 Jumper Thick Film)“ PACKAGING column 592) change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „STD TIN/LEAD SLDC CODES“ TO „STANDARD TIN/LEAD SLDC CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“ STANDARD TIN/LEAD CODES 593) change „TP = Reel (full)“ TO „TP = Reel pack, Embossed carrier tape, 7" reel (R01)“ change „S3 = Reel (1K pcs)“ TO „S3 = Reel pack, Embossed carrier tape, 7" reel (S84, std taping except 1,000 pcs/reel)“ change „S2 = Reel (500 pcs)“ TO „S2 = Reel pack, Embossed carrier tape, 7" reel (S83, std taping except 500 pcs/reel)“ change „S6 = Reel (300 pcs)“ TO „S6 = Reel pack, Embossed carrier tape, 7" reel (S82, std taping except 300 pcs/reel)“ change „WB = Tray“ TO „WB = Tray pack (T03)“ STANDARD TIN/LEAD SLDC CODES 594) change „UL = Reel“ TO „UL = Reel pack, Embossed carrier tape, 7" reel, std taping, SLDC“ change „WL = Tray“ TO „WL = Tray pack, SLDC“ NON-STANDARD TIN/LEAD CODES 595) remove „Contact Marketing“ 596) add TN = Reel pack, Embossed carrier tape, 7" reel, w/ESD (R78) SV = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S78, std taping except 1,000 pcs/reel) SU = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S77, std taping except 500 pcs/reel) ST = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S76, std taping except 300 pcs/reel) WA = Tray pack, w/ESD (M18) BC (P19), BB (P23) bulk pack available TU (R87), TT (RT4), SW (S79), SX (S80), S4 (S85), S5 (S86), S1 (S87), UA, UB, UC, UD, UE reel pack available T1 (T09), T2 (T15), T3 (T16), T4 (T17) tray pack available SL (S51) special pack available SUFFIX column 597) change „None = Standard (-99)“ TO „Blank = Standard (-99)“ Vishay Dale Film Resistors RCWPM (Military M/D55342 Thick Film) 598) change Title „VISHAY DALE FILM RESISTORS RCWPM (Military 55342 Thick Film)“ TO „Vishay Dale Film Resistors RCWPM (Military M/D55342 Thick Film)“ CHAR. Column 599) change K = 100PPM TO K = $\pm 100\text{ppm}/^{\circ}\text{C}$ M = 300PPM M = $\pm 300\text{ppm}/^{\circ}\text{C}$</p>

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	<p>MIL. SPEC. SHEET</p> <p>600) change 01 TO 01 = 0502 02 02 = 0550 03 03 = 5100 04 04 = 5150 05 05 = 7225 06 06 = 0575 07 07 = 1206 08 08 = 2010 09 09 = 2512 10 10 = 1100 11 11 = 0402 12 12 = 0603 13 13 = 0302</p> <p>TERMINATION column 601) change „B“ TO „B = Pre-tinned Nickel Barrier, wraparound“</p> <p>FAILURE RATE column 602) change „C (= Non-ER)“ TO „C = Non-ER“ change „M“ TO „M = 1%“ change „P“ TO „P = 0.1%“ change „R“ TO „R = 0.01%“ change „S“ TO „S = 0.001%“ change „T(= Space level)“ To „T = Space level“</p> <p>PACKAGING column 603) change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „STD TIN/LEAD SLDC CODES“ TO „STANDARD TIN/LEAD SLDC CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD TIN/LEAD CODES 604) change „TP = Reel (full)“ TO „TP = Reel pack, Embossed carrier tape, 7" reel (R01)“ change „S3 = Reel (1K pcs)“ TO „S3 = Reel pack, Embossed carrier tape, 7" reel (S84, std taping except 1,000 pcs/reel)“ change „S2 = Reel (500 pcs)“ TO „S2 = Reel pack, Embossed carrier tape, 7" reel (S83, std taping except 500 pcs/reel)“ change „S6 = Reel (300 pcs)“ TO „S6 = Reel pack, Embossed carrier tape, 7" reel (S82, std taping except 300 pcs/reel)“ change „WB = Tray“ TO „WB = Tray pack (T03)“</p> <p>605) add „TN = Reel pack, Embossed carrier tape, 7" reel, w/ESD (R78)“ add „SV = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S78, std taping except 1,000 pcs/reel)“ add „SU = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S77, std taping except 500 pcs/reel)“ add „ST = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S76, std taping except 300 pcs/reel)“ add „WA = Tray pack, w/ESD (M18)“</p> <p>STANDARD TIN/LEAD SLDC CODES 606) change „UL = Reel“ TO „UL = Reel pack, Embossed carrier tape, 7" reel, std taping, SLDC“ change „WL = Tray“ TO „WL = Tray pack, SLDC“</p>

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NON-STANDARD TIN/LEAD CODES

607) remove „Contact Marketing“

608) add BC (P19), BB (P23) bulk pack available

TU (R87), TT (RT4), UL (RSL), SW (S79), SX (S80), S4 (S85), S5 (S86), S1 (S87), UA, UB, UC, UD, UE reel pack available

T1 (T09), T2 (T15), T3 (T16), T4 (T17), UL (TSL) tray pack available

SL (S51) special pack available

SUFFIX column

609) change „None = Standard“ TO „Blank = Standard“

610) add „GENERAL USAGE DASH NUMBERS“

611) change „S = “T” space level, Part Marked (-97)“ TO „S = “T” space level, Part marking to MIL spec Option 1 (-97)“

change „2 = Part Marking (-20)“ TO „2 = Part marking to MIL spec Option 1 (-20)“

change „3 = Part Marking (-30)“ TO „3 = Part marking to MIL spec Options 2 and 3 (-30)“

612) remove „5 = Part Marking (-65)“

613) add „0 thru 9 or A thru Z as applicable“

Vishay Dale Film Resistors RCWP

614) change SAP Part Number „RCWP120600000MTP99“ TO „RCWP12060000ZSTP99“

615) change in SAP Description „RCWP-1206-99 M R01“ TO „RCWP-1206-99 R01“

SIZE column

616) remove 0540, 0550, 0575, 5100, 5150, 1100, 7225, 2010, 2512, 1206, 0603, 0402, 0201, 0302, 0502

617) add 0201, 0302, 0402, 0502, 0540, 0550, 0575, 0603, 1100, 1206, 2010, 2512, 5100, 5150, 7225

VALUE column

618) change R = decimal TO R = ohms

K = thousand K = kilohms

M = million M = Megohms

619) remove 1K32 = 1,320 ohm

10R0 = 10 ohm

TOLERANCE column

620) change F = ±1.0% TO F = ±1%

G = ±2.0% G = ±2%

J = ±5.0% J = ±5%

K = ±10.0% K = ±10%

621) remove „H = ±3.0%“

622) add M = ±20%

Z = 0 ohm jumper

T.C column

623) change E = 25 PPM TO E = ±25ppm/°C

H = 50PPM H = ±50ppm/°C

K = 100PPM K = ±100ppm/°C

L = 150 PPM L = ±150ppm/°C

N = 200 PPM N = ±200ppm/°C

M = 300 PPM M = ±300ppm/°C

P = 500 PPM P = ±500ppm/°C

S = SPECIAL S = Special, 0 ohm jumper

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	<p>PACKAGING column</p> <p>624) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“ change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES</p> <p>625) change „EA = Reel (full)“ TO „EA = Reel pack, Embossed carrier tape, 7" reel“ change „EB = Reel (1K pcs)“ TO „EB = Reel pack, Embossed carrier tape, 7" reel (std taping except 1,000pcs/reel)“ change „EC = Reel (500 pcs)“ TO „EC = Reel pack, Embossed carrier tape, 7" reel (std taping except 500pcs/reel)“ change „ED = Reel (300 pcs)“ TO „ED = Reel pack, Embossed carrier tape, 7" reel (std taping except 300 pcs/reel)“ change „ET* = Tray“ TO „ET = Tray pack“</p> <p>STANDARD TIN/LEAD CODES</p> <p>626) change „TP = Reel (full)“ TO „TP = Reel pack, Embossed carrier tape, 7" reel (R01)“ change „S3 = Reel (1K pcs)“ TO „S3 = Reel pack, Embossed carrier tape, 7" reel (S84, std taping except 1,000 pcs/reel)“ change „S2 = Reel (500 pcs)“ TO „S2 = Reel pack, Embossed carrier tape, 7" reel (S83, std taping except 500 pcs/reel)“ change „S6 = Reel (300 pcs)“ TO „S6 = Reel pack, Embossed carrier tape, 7" reel (S82, std taping except 300 pcs/reel)“ change „WB = Tray“ TO „WB = Tray pack (T03)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>627) remove „Contact Marketing“</p> <p>628) add TN = Reel pack, Embossed carrier tape, 7" reel, w/ESD (R78) SV = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S78, std taping except 1,000 pcs/reel) SU = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S77, std taping except 500 pcs/reel) ST = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S76, std taping except 300 pcs/reel) WA = Tray pack, w/ESD (M18) BC (P19), BB (P23) bulk pack available TU (R87), TT (RT4), UL (RSL), SW (S79), SX (S80), S4 (S85), S5 (S86), S1 (S87), UA, UB, UC, UD, UE reel pack available T1 (T09), T2 (T15), T3 (T16), T4 (T17), UL (TSL) tray pack available SL (S51) special pack available</p> <p>SPECIAL column</p> <p>629) change „01 thru 99 None = Solder pre-tinned (standard) as applicable“ TO „Dash #'s 01 thru 99 as applicable“</p> <p>630) add „Blank = Solder pre-tinned (standard)“</p> <p>631) add GENERAL USAGE DASH NUMBERS 30 = Part marking (0603 and larger case sizes; 4 digits for ≤ 1 %, 3 digits for ≥ 2 %) 69 = Moisture resistant 99 = 0 ohm jumper</p> <p>Vishay Dale Film Resistor RCW</p> <p>SIZE column</p> <p>632) remove 0540, 0550, 0575, 5100, 5150, 1100, 7225, 2010, 2512, 1206</p> <p>633) add 0540, 0550, 0575, 1100, 1206, 2010, 2512, 5100, 5150, 7225</p> <p>VALUE column</p> <p>634) remove 1K32 = 1,320 ohm 10R0 = 10 ohm</p>

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	<p>635) change R = decimal TO R = ohms K = thousand K = kilohms M = million M = Megohms</p> <p>TOLERANCE column</p> <p>636) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10%</p> <p>637) remove „H = ±3.0%“</p> <p>638) add M = ±20%</p> <p>T.C column</p> <p>639) change E = 25 PPM TO E = ±25ppm/°C H = 50PPM H = ±50ppm/°C K = 100PPM K = ±100ppm/°C L = 150 PPM L = ±150ppm/°C N = 200 PPM N = ±200ppm/°C M = 300 PPM M = ±300ppm/°C P = 500 PPM P = ±500ppm/°C</p> <p>640) change S = SPECIAL TO S = Special</p> <p>PACKAGING column</p> <p>641) change „STD LEAD FREE CODES“ TO „STANDARD LEAD FREE CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEAD FREE CODES</p> <p>642) change „TP = Reel (full)“ TO „TP = Reel pack, Embossed carrier tape, 7" reel (R01)“ change „S3 = Reel (1K pcs)“ TO „S3 = Reel pack, Embossed carrier tape, 7" reel (S84, std taping except 1,000 pcs/reel)“ change „S2 = Reel (500 pcs)“ TO „S2 = Reel pack, Embossed carrier tape, 7" reel (S83, std taping except 500 pcs/reel)“ change „S6 = Reel (300 pcs)“ TO „S6 = Reel pack, Embossed carrier tape, 7" reel (S82, std taping except 300 pcs/reel)“ change „WB = Tray“ TO „WB = Tray pack (T03)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>643) remove „Contact Marketing“</p>

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	<p>644) add TN = Reel pack, Embossed carrier tape, 7" reel, w/ESD (R78) SV = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S78, std taping except 1,000 pcs/reel) SU = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S77, std taping except 500 pcs/reel) ST = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S76, std taping except 300 pcs/reel) WA = Tray pack, w/ESD (M18) BC (P19), BB (P23) bulk pack available TU (R87), TT (RT4), SW (S79), SX (S80), S4 (S85), S5 (S86), S1 (S87) reel pack available T1 (T09), T2 (T15), T3 (T16), T4 (T17) tray pack available SL (S51) special pack available</p> <p>SPECIAL column 645) add „GENERAL USAGE DASH NUMBERS“ 646) change „40 = platinum gold“ TO „40 = Platinum Gold termination“ change „42 = palladium silver“ TO „42 = Palladium Silver termination“ change „00 thru 99 as applicable“ TO „Dash #'s 01 thru 99 as applicable“</p> <p>Vishay Dale Film Resistors RC</p> <p>SIZE column 647) arranged the values in ascending order.</p> <p>VALUE column 648) remove 1K32 = 1,320 ohm 10R0 = 10 ohm</p> <p>649) change R = decimal TO R = ohms K = thousand K = kilohms M = million M = Megohms</p> <p>TOLERANCE column 650) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10%</p> <p>651) remove „H = ±3.0%“ 652) add M = ±20%</p> <p>T.C column 653) change E = 25 PPM TO E = ±25ppm/°C H = 50PPM H = ±50ppm/°C K = 100PPM K = ±100ppm/°C L = 150 PPM L = ±150ppm/°C N = 200 PPM N = ±200ppm/°C M = 300 PPM M = ±300ppm/°C P = 500 PPM P = ±500ppm/°C S = SPECIAL S = Special</p> <p>PACKAGING column 654) change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p>

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	<p>655) remove STD LEAD FREE CODES*</p> <p>EA* = Reel (full) EB* = Reel (1K pcs) EC* = Reel (500 pcs) ED* = Reel (300 pcs) ET* = Tray</p> <p>656) remove STD LEAD FREE CODES*</p> <p>TP = Reel (full) S3 = Reel (1K pcs) S2 = Reel (500 pcs) S6 = Reel (300 pcs) WB = Tray</p> <p>657) remove NON-STD LEAD FREE CODES*</p> <p>Contact Marketing</p> <p>658) remove „* Leadfree version not currently released“</p> <p>STANDARD TIN/LEAD CODES</p> <p>659) change „TP = Reel (full)“ TO „TP = Reel pack, Embossed carrier tape, 7" reel (R01)“ change „S3 = Reel (1K pcs)“ TO „S3 = Reel pack, Embossed carrier tape, 7" reel (S84, std taping except 1,000 pcs/reel)“ change „S2 = Reel (500 pcs)“ TO „S2 = Reel pack, Embossed carrier tape, 7" reel (S83, std taping except 500 pcs/reel)“ change „S6 = Reel (300 pcs)“ TO „S6 = Reel pack, Embossed carrier tape, 7" reel (S82, std taping except 300 pcs/reel)“ change „WB = Tray“ TO „WB = Tray pack (T03)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>660) remove „Contact Marketing“</p> <p>661) add TN = Reel pack, Embossed carrier tape, 7" reel, w/ESD (R78) SV = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S78, std taping except 1,000 pcs/reel) SU = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S77, std taping except 500 pcs/reel) ST = Reel pack, Embossed carrier tape, 7" reel, w/ESD (S76, std taping except 300 pcs/reel) WA = Tray pack, w/ESD (M18) BC (P19), BB (P23) bulk pack available TU (R87), TT (RT4), SW (S79), SX (S80), S4 (S85), S5 (S86), S1 (S87) reel pack available T1 (T09), T2 (T15), T3 (T16), T4 (T17) tray pack available SL (S51) special pack available</p> <p>SPECIAL column</p> <p>662) change „None = Solder pre-tinned (standard)“ TO „Blank = Solder pretinned (standard)“</p> <p>663) add „Dash #'s 01 thru 99 as applicable“</p> <p>664) remove „20 = 27“</p> <p>Vishay Dale Film Resistors PTF</p> <p>VALUE column</p> <p>665) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = Megohms</p>

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	<p>Vishay Dale Film Resistors PSF</p> <p>VALUE column</p> <p>676) remove 15R00 = 15 ohm 1K000 = 1K ohm 500K0 = 500K ohm</p> <p>677) change R = decimal TO R = ohms K = thousand K = kilohms</p> <p>T.C column</p> <p>678) change Z = 5 ppm/°C (T-16) TO Z = ±5ppm/°C (T-16) Y = 10 ppm/°C (T-13) Y = ±10ppm/°C (T-13) X = 15 ppm/°C (T-10) X = ±15ppm/°C (T10) E = 25 ppm/°C (T-9) E = ±25ppm/°C (T-9)</p> <p>PACKAGING column</p> <p>679) change „STD LEAD FREE CODES“ TO „STANDARD LEADFREE CODES“ change „STD TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES</p> <p>680) change „EA = Tape/reel (full reel quantity)“ TO „EA = Reel pack, Embossed carrier tape, 13" reel“ change „EB = Tape/reel (1K pcs)“ TO „EB = Reel pack, Embossed carrier tape, 13" reel (std taping except 1,000pcs/reel)“ change „EK = Bulk pack“ TO „EK = Bulk pack, plastic bag“</p> <p>STANDARD TIN/LEAD CODES</p> <p>681) change „TA = Tape/reel (full reel quantity)“ TO „TA = Reel pack, Embossed carrier tape, 13" reel (R86)“ change „TB = Tape/reel (1K pcs) (R79)“ TO „TB = Reel pack, Embossed carrier tape, 13" reel (R79, std taping except 1,000pcs/reel)“ change „BA = Bulk pack (B43)“ TO „BA = Bulk pack, plastic bag (B43)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>682) change „SB = Packaging defined on TPI (S51)“ TO „SB = Custom pack, per TPI (S51)“</p> <p>SPECIAL column</p> <p>683) add „Blank = Standard“</p> <p>Vishay Dale Film Resistors PMMO</p> <p>VALUE column</p> <p>684) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = Megohms G = GIGA OHM G = Gigohms</p> <p>TOLERANCE column</p> <p>685) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10% L = ±15.0% L = ±15%</p> <p>686) add „M = ±20%“</p>

REVISION DATE	REVISION DESCRIPTION
	<p>PACKAGING column</p> <p>687) change „LEAD FREE CODES“ TO „STANDARD LEADFREE CODES**“ change „TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „OTHER TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES*</p> <p>688) change „E05* = Foam“ TO „EM = Foam pack, 5/ea rolled diagonally in Microfoam“</p> <p>STANDARD TIN/LEAD CODES</p> <p>689) change „F05 = Foam“ TO „BC = Foam pack, 5/ea rolled diagonally in Microfoam (F05)“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>690) remove „Contact Marketing =“</p> <p>691) add BB = Bulk pack (B23) ML = Heat Seal pack (M10)</p> <p>Vishay Dale Film Resistors PMCI</p> <p>VALUE column</p> <p>692) change R = DECIMAL TO R = ohms K = THOUSAND K = kilohms M = MILLION M = MILLION G = GIGA OHM G = Gigohms</p> <p>TOLERANCE column</p> <p>693) change F = ±1.0% TO F = ±1% G = ±2.0% G = ±2% J = ±5.0% J = ±5% K = ±10.0% K = ±10% L = ±15.0% L = ±15%</p> <p>694) add „M = ±20%“</p> <p>PACKAGING column</p> <p>695) change „LEAD FREE CODES“ TO „STANDARD LEADFREE CODES**“ change „TIN/LEAD CODES“ TO „STANDARD TIN/LEAD CODES“ change „NON-STD TIN/LEAD CODES“ TO „NON-STANDARD TIN/LEAD CODES“</p> <p>STANDARD LEADFREE CODES*</p> <p>696) change „E02 = Foam“ TO „E02 = Foam pack“</p> <p>STANDARD TIN/LEAD CODES</p> <p>697) change „F02 = Foam“ TO „F02 = Foam pack“</p> <p>698) remove „S51 = see TPI“</p> <p>NON-STANDARD TIN/LEAD CODES</p> <p>699) remove „Contact Marketing“</p> <p>700) add B23 = Bulk pack F05 = Foam pack, 5/ea rolled diagonally in Microfoam F06 = Foam pack, 1/ea rolled in Microfoam F08 = Foam pack, 5/ea rolled in Microfoam S51 = Custom pack, per TPI</p>

REVISION DATE	REVISION DESCRIPTION
Aug. 23, 2011	1) Add: 0000 = 0 ohm jumper or special 2) Add: Z = 0 ohm jumper 3) Add: S = Special
Sept. 16, 2011	IMPEDANCE CODE 1) Add 1000 to R1 (OHMS) 2) Add 5600 to R2 (OHMS) 3) Add 362 to IMPEDANCE CODE 4) Add A to CODE SUFFIX 5) Add 1002/5601 to LEGACY 1% 6) Add 103/562 to LEGACY 2%,5% FHV 1) Add FHV07549M9FKEB1 under Part Number and FHV075-1 49.9M 1% 100 EB e3 under Part Description 2) Add another Column named Special Up to 3 digits. Dash #'s 1 thru 999 as applicable Blank = Standard GENERAL USAGE DASH NUMBERS 1 = Flameproof coating TR 1) Modified TR20X1T00JSRS under Part Number and TR20X 1T 5% RS under Part Description 2) Add another Column named Special Up to 3 digits Dash #'s 1 thru 999 as applicable Blank = Standard GENERAL USAGE DASH NUMBERS 1 = Flameproof coating

REVISION DATE	REVISION DESCRIPTION
December 5, 2011	<ol style="list-style-type: none"> 1) Added 02, 07, 11, 12, 13,15, 20, 30, B1 sizes to Huntington ALSR/ALVR page 2) Added WB to Huntington ALSR/ALVR page Mills-Central revision 3) Added G = $\pm 2\%$, J = $\pm 5\%$, K = $\pm 10\%$ to Huntington – Mills MR100 page 4) Added H = $\pm 3.0\%$ to Huntington – Mills MR500 page 5) Added G = $\pm 2.0\%$ to Huntington – Mills MR530 page 6) Added 006 and 015 sizes to Huntington – Mills MRP page 7) Added P = $\pm 0.025\%$, G = $\pm 2.0\%$, H = $\pm 3.0\%$ to Huntington Mills MRP page 8) Added NI = NON INDUCTIVE to Huntington – Mills MRP page 9) Added NI = NON INDUCTIVE to Huntington – Mills MRA page 10) Added NI = NON INDUCTIVE to Huntington – Mills MRB page 11) Added P = $\pm 0.025\%$ to Huntington – Mills MRW page 12) Removed 04f size from Huntington – Central FA page 13) Added T = $\pm 0.01\%$, M = $\pm 20\%$ to Huntington – Central FA page 14) Added NI = NON INDUCTIVE to Huntington – Central FA page 15) Removed MRP015 for packaging code E29 from Huntington – Mills MRP page 16) Removed NI = NON INDUCTIVE from Huntington – Mills MRA page 17) Added J = $\pm 5\%$ to Huntington – Mills MRA page 18) Added J = $\pm 5\%$ to Huntington – Mills MRB page
December 14, 2011	<ol style="list-style-type: none"> 1) Added P = $\pm 0.025\%$ and M = $\pm 20\%$ to Huntington ALSR/ALVR page 2) Added W07 to Huntington ALSR/ALVR page Mills-Central revision 3) Added NI = NON INDUCTIVE to Huntington – Central FA page 4) Removed MRP015 for packaging code E29 from Huntington – Mills MRP page 5) Removed NI = NON INDUCTIVE from Huntington – Mills MRA page 6) Added J = $\pm 5\%$ to Huntington – Mills MRA page 7) Added J = $\pm 5\%$ to Huntington – Mills MRB page
December 16, 2011	<ol style="list-style-type: none"> 1) Removed WB to Huntington ALSR/ALVR page 2) Added W03 to Huntington ALSR/ALVR page Mills-Central revision 3) Added MRP006 for packaging code E07 to Huntington – Mills MRP page
February 3, 2012	<ol style="list-style-type: none"> 1) Huntington pages limited to ALSR, ALVR, FA, MRA, MRB, MRP and MRS

May 24, 2012	<p>1) Package code change to MSP, SOGC, and SOMC S13 pack code changed from "SA" to "SB". S15 pack code changed from "SB" to "SC". S28 pack code changed from "SD" to "SG". S30 pack code changed from "SF" to "SJ".</p>
	<p>2) Profile B added to the CS201 page.</p>
June 11, 2012	<p>1) A = $\pm 0.05\%$ added to ERC (Specials)</p>
June 21, 2012	<p>1) Added C = 0.25% and B = 0.1% to WSL, WSLP, WSLT, and WSLS</p>
July 18, 2012	<p>1) Added Suffix 114 to Value Codes For Specials on ERC-55-114. 2) Added Pack code EC = Tape/reel 13" reels (1206 & larger only) on WSL, WSLP, WSLT, and WSK.</p>
October 31, 2012	<p>Impedance code 271A added L TCR and U/V Failure rates added to RCWPM(Military M/D55342 Thick Film) E74 package code added to CPF Package B (non-std) Note added – Must have Special dash</p>
January 14, 2013	<p>WSC/WSN, WSF, WSL, WSK, WSLC, WSH, WSLM, WSLP, WSL...E, WSLS, WSLT, WSP, and WSR pages had package codes EB and TB moved to Non-Standard pack code options. FVR sizes 150 and 300 added. MTL Special NI removed. RE, RER, RH/NH, HG/NHG added C06 package code to Non-Standard Tin/Lead Packaging Codes OLED page added to Plasma Display</p>
March 20, 2013	<p>PPL updated for the M76 to M77 packaging on GSR and HDN Resistor Standard page added to Huntington</p>
June 13, 2013	<p>Changes made to Packaging column on RCWP and CMF RCWP 0201 added to PPL Changes to RNR/RNN Angstrohm on PPL CMF Commercial renamed to CMF Industrial Change to RCWPM-99 (Military 32159 Jumper Thick Film) Special column – added -96 Techno RC added 0 Ohm Jumper / Special</p>
July 10, 2013	<p>EP page added to Plasma Display RH/NH pack code E05 added CP Quick Connect changed to all lead-free pack codes WSBM page added to Wirewound</p>
September 10, 2013	<p>Added RCP page Added SP (RK1), ER (EK1), and EU (E74) package codes to CMF (Industrial)</p>

September 13, 2013	<p>Removed S27 packaging from WSR Added T & D package codes and 15% tolerance for WSBS Removed S27 packaging from WSP and WSL, and added E51 packaging Added S51 and E51 packaging for WSLT, WSLS, WSLP, WSLM, and WSLC Added sizes 6761, 7220, and 8536, tolerances 1%, 2%, 10%, and 15%, and T & D package codes to WSBS Added CZB product to CZA page</p>
November 14, 2013	<p>WSMS added 1% tolerance Added CRHVTCX CRMVTCX, and RCHRTCX pages Added Bracket Type 500 to Huntington Brackets Added Radial-leaded / Axial-leaded sizes to FHV HML and ERL (Specials) added N = 200ppm</p>
January 8, 2014	<p>Added E51 and S51 packaging to WSH Added Size 750 to FST/FVT Added S51 packaging on CS201, CS206, CSRC, and CRCA PPL update on SLDC and SDC for Angstrohm</p>
September 29, 2015	<p>Added T (Tray) packaging to WSBM page. 3% tolerance removed from CPCC. 1% tolerance added to CPCF.</p>
September 29, 2015	<p>Added Sizes 1020 and 0612 to RCWE Added tolerances 0.5% and 2.0% to RCWE Added U5 package code and Description for RCWP and RCWPM pages. Added E51 Package code to RCP Removed asterisks from sizes 0550 through 3000 and note FSE model only to FSE/FVE</p>