SAP PART NUMBERING MANUAL

VISHAY DALE NETWORK/ARRAY RESISTORS

VISHAY DALE NETWORKS
CRCA

SAP Part Number	SAP Description
CRCA12E081103121R	CRCA12E0801103J121M RB8
CRCA12E081472220E	CRCA12E0801472J220M E e3

MODEL 4 digits	SIZE 2 digits	TERMINAL 1 digit	PIN COUNT 2 digits	SCHEMATIC 1 digit	RESISTANCE VALUE 3 digits	CAPACITANCE VALUE 3 digits	PACKAGING 1 digit	SPECIAL 1 digit
CRCA	**12**	**S** = Convex, square corner **E** = Convex, scalloped corner	**08** **10**	**1** = 01 **2** = 02 **3** = 03 **0** = Custom, per TPI	3-digit numeric code (in ohms) where the first two digits are the significant figures and the last digit is the multiplier. Tolerance is ±5% (J) Check data sheet for available value range	3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier. Tolerance is ±20% (M) Check data sheet for available value range	**STANDARD LEAD FREE CODES** **E** = Reel pack, 12mm Embossed tape, 8mm pocket pitch, 7" reel **STANDARD TIN/LEAD CODES** **R** = Reel pack, 12mm Embossed tape, 8mm pocket pitch, 7" reel (RB8) **NON-STANDARD TIN/LEAD CODES** **M** = Heat seal pack (M11) **S** = per TPI (S51)	Dash #'s 1 thru 9 as applicable **Blank** = Standard

VISHAY DALE NETWORKS
CS201

SAP Part Number	SAP Description
20104D1C222K5P	**CS20104D1C222K5 P03**
20110D3X103K5E	**CS20110D3X103K5 E e1**
20108D0S000SSP3	**CS201-08D00-S3 P03**
20108D1C102K5P12	**CS20108D1C102K5-S12 P03**

MODEL 3 digits	PIN COUNT 2 digits	PACKAGE 1 digit	SCHEMATIC 1 digit	CAP. DIELECTRIC 1 digit	CAP. VALUE 3 digits	CAP. TOLERANCE 1 digit	CAPACITOR VOLTAGE 1 digit	PACKAGING 1 digit	SPECIAL Up to 3 digits
201 = CS201	**04** **05** **06** **07** **08** **09** **10** **11** **12** **13** **14** **15** **16** **17** **18**	**D** **B (non-std – must be used with Special dash)**	**1** = Bussed, pin "1" common (01) **3** = Isolated (03; even pin counts only) **4** = Bussed, pin "1" and "n" common (04) **0** = Custom, per TPI (00)	**C** = C0G **X** = X7R **S** = Special	3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier. **000** = Special Check data sheet for available value range	**K** = ±10% **M** = ±20% **S** = Special, per TPI	**5** = 50V **1** = 100V **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **E** = Bulk pack **STANDARD TIN/LEAD CODES** **P** = Bulk pack (P03) **NON-STANDARD TIN/LEAD CODES** **M** = Heat seal pack (M11) **S** = per TPI (S51)	1 thru 999 as required **Blank** = Standard Examples: **1** = S1 **2** = S2 **3** = S3 **999** = S999

VISHAY DALE NETWORK/ARRAY RESISTORS
CS206

SAP Part Number	SAP Description
20608MX151J103KP	**CS20608BMX151J103K P03**
20608TC102J101KE	**CS20608CTC102J101K E e1**
20608SS000S000SPAA	**CS20608C-00-S1 P03**
20608TC102J101KEAB	**CS20608CTC102J101K-S2 E e1**

MODEL 3 digits	PIN COUNT 2 digits	PACK. & SCHEMATIC 1 digit	CAP. DIELECTRIC 1 digit	RESISTANCE VALUE 3 digits	RESISTANCE TOL. 1 digit	CAPACITANCE VALUE 3 digits	CAPACITANCE TOLERANCE 1 digit	PACKAGING 1 digit	SPECIAL 2 digits
206 = CS206	**04** **05** **06** **07** **08** **09** **10** **11** **12** **13** **14** **15** **16** **17** **18**	**E** = BE **M** = BM **A** = EA **T** = CT **S** = Special (package height always "C")	**C** = C0G **X** = X7R **S** = Special, per TPI	3-digit numeric code (in ohms) where the first two digits are the significant figures and the last digit is the multiplier. **000** = Special (always null) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special (always null)	3-digit numeric code (in picofarads) where the first two digits are the significant figures and the last digit is the multiplier. **000** = Special (always null) Check data sheet for available value range	**K** = ±10% **M** = ±20% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **E** = Bulk pack **STANDARD TIN/LEAD CODES** **P** = Bulk pack (P03) **NON-STANDARD TIN/LEAD CODES** **M** = Heat seal pack (M11) **S** = per TPI (S51)	AA to ZZ as needed **Blank** = Standard **AA** = S1 **AB** = S2 **AC** = S3 **ZZ** = S529 Excludes characters I, O, and X.

VISHAY DALE NETWORKS
CSC (01, 03, 00)

SAP Part Number	SAP Description
CSC06C0347R0GDA	**CSC06C-03 47 2% D03**
CSC10A011M00GEK	**CSC10A-01 1M 2% EK e3**

MODEL 3 digits	PIN COUNT 2 digits	PACK. HEIGHT 1 digit	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
CSC	**04** **05** **06** **07** **08** **09** **10** **11** **12** **13** **14** **15** **16** **17** **18**	**STANDARD** **A** = Low profile **B** = Medium profile **NON-STANDARD** **C** = High profile	**STANDARD** **01** = Bussed, pin "1" common **03** = Isolated (even pin counts only) **NON-STANDARD** **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	**R** = ohms **K** = kilohms **M** = Megohms **0000** = 0 ohm jumper or special (value per TPI) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI **Z** = 0 ohm jumper	**STANDARD LEAD FREE CODES** **EK** = Bulk pack **NON-STANDARD LEAD FREE CODES** **EJ** = Tube pack **NON-STANDARD TIN/LEAD CODES** **PA** = Bulk pack (P03) **MA** = Heat seal pack (M11) **DA** = Tube pack (D03) **WE** = Tray pack (T12) **SL** = Custom pack, per TPI (S51)	Dash #'s 1 thru 999 as applicable **Blank** = Standard

VISHAY DALE NETWORKS
CSC (05)

SAP Part Number	SAP Description
CSC10A05500BGDA	**CSC10A-05-820/131G 2% D03**
CSC06B05102AGEK	**CSC10A-05-152/332G 2% EK e3**
CSC08A05131AGPA26	**CSC08A-05-221/331G-S26 P03**

MODEL 3 digits	PIN COUNT 2 digits	PACK. HEIGHT 1 digit	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
CSC	**04** **05** **06** **07** **08** **09** **10** **11** **12** **13** **14** **15** **16** **17** **18**	**STANDARD** **A** = Low profile **B** = Medium profile **NON-STANDARD** **C** = High profile	**05** = Dual Terminator	Impedance code, 2 significant digits 3rd is multiplier, 4th character is an alpha modifier	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **EK** = Bulk pack **NON-STANDARD LEAD FREE CODES** **EJ** = Tube pack **NON-STANDARD TIN/LEAD CODES** **PA** = Bulk pack (P03) **MA** = Heat seal pack (M11) **DA** = Tube pack (D03) **WE** = Tray pack (T12) **SL** = Custom pack, per TPI (S51)	Dash #'s 1 thru 999 as applicable **Blank** = Standard

VISHAY DALE NETWORKS
CSRC

SAP Part Number
CSRC07B00S01XXXXXP

SAP Description
CSRC-07B-00-S1 P03

Note: For standard CSRC parts, use the CS206 series

MODEL 4 digits	PIN COUNT 2 digits	PACK. HEIGHT 1 digit	SCHEMATIC 2 digits	RESISTANCE VALUE 3 digits	RESISTANCE TOLERANCE 1 digit	CAP. VALUE 3 digits	CAP. TOLERANCE 1 digit	PACKAGING 1 digit
CSRC	**04** **05** **06** **07** **08** **09** **10** **11** **12** **13** **14** **15** **16** **17** **18**	**B** = Medium profile **C** = High profile	**00** = Special	3 character dash # (S01 thru S99 as applicable) Example **S01** = S1 NOTE * Specials will NOT reflect specific values. Use "X" to fill SAP P/N voids.	**X** = Special	**XXX** = Special	**X** = Special	**STANDARD LEAD FREE CODES** **E** = Bulk pack **STANDARD TIN/LEAD CODES** **P** = Bulk pack (P03) **NON-STANDARD TIN/LEAD CODES** **M** = Heat seal pack (M11) **S** = per TPI (S51)

VISHAY DALE NETWORKS
CZA/CZB

SAP Part Number	SAP Description
CZA06S04150300HRT	**CZA06S04150300H RG5**
CZA04S04015050LEA	**CZA04S04015050L EA e3**
CZB06S04090050HEA	**CZB06S04090050H EA e3**

MODEL 3 digits	SIZE 2 digits	TERMINAL 1 digit	PIN COUNT 2 digits	ATTENUATION 3 digits	IMPEDANCE 3 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIALS 1 digit
CZA= Unbalanced pi filter **CZB** = Balanced Pi filter	**04** (CZA only) **06**	**S** = Convex, square corner	**04**	**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 **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 **000** = 0 dB or 0 ohm jumper	**050** = 50 ohm **075** = 75 ohm **100** = 100 ohm **300** = 300 ohm **600** = 600 ohm **000** = 0 ohm jumper NOTE: For 0 dB part, use impedance of 50 ohm to 600 ohm, not "000"	**H** = ±0.5 dB (for attenuations of 6 dB or greater) **L** = ±0.3 dB (for attenuations less than 6 dB) **Z** = 0 ohm jumper	**STANDARD LEAD FREE CODES** **EA** = Reel pack, std taping, 7" reel **STANDARD TIN/LEAD CODES** **TD** = Reel pack, 8mm paper tape, 2mm pocket pitch, 7" reel (RT7, 04-size only) **RT** = Reel pack, 8mm embossed tape, 4mm pocket pitch, 7" reel (RG5, 06-size only)	Dash #'s 1 thru 9 as applicable **Blank** = Standard

VISHAY DALE NETWORKS
DFM (Military M83401/03)

SAP Part Number	SAP Description
M8340103MA001GJD05	**DFM14-15-820/131G 2% M M8340103MA001GJ D05**
M8340103K1502FAD05	**DFM14-12 1.5K 1% K M8340103K1502FA D05**
M8340103M47R0JBD05	**DFM14-11 47 2% M M8340103M47R0JB D05**

MILITARY STYLE 6 digits	MIL. SPEC. SHEET 2 digits	TC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	SCHEMATIC 1 digit	PACKAGING 3 digits
M83401	**03** = DFM14	**K** = ±100ppm/°C **M** = ±300ppm/°C	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. For J 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	**F** = ±1% **G** = ±2% **J** = ±5%	**A** = Isolated, pin "n" common (11) **B** = Bussed (12) **J** = Dual Terminator (15)	**STANDARD TIN/LEAD CODES** **D05** = Tube pack **STANDARD TIN/LEAD SLDC CODES** **DSL** = Tube pack, SLDC **NON-STANDARD TIN/LEAD CODES** **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

VISHAY DALE NETWORKS
DFP

SAP Part Number	SAP Description
DFP141210K0GD05	**DFP14-12 10K 2% D05**
DFP1611470RGE05	**DFP16-11 470 2% E05 e1**
DFP141149R9FD0560	**DFP14-11-S60 49R9 1% D05**

MODEL 3 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 3 digits	SPECIAL Up to 3 digits
DFP	**14** **16**	**STANDARD** **11** = Isolated **12** = Bussed, pin "n" common **NON-STANDARD** **10** = Custom, per TPI	**R** = ohms **K** = kilohms **M** = Megohms **0000** = 0 ohm jumper **XXXX** = Special (value per TPI) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI **Z** = 0 ohm jumper	**STANDARD LEAD FREE CODES** **E05*** = Tube pack **STANDARD TIN/LEAD CODES** **D05** = Tube pack **NON-STANDARD TIN/LEAD CODES** **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 * Leadree version not currently released	Dash #'s 1 thru 999 as applicable **Blank** = Standard

VISHAY DALE NETWORKS
DFRC

SAP Part Number	SAP Description
DFRC1610D052	**DFRC1610-S2 D05**
DFRC1610E0510	**DFRC1610-S10 E05 e1**

MODEL 4 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	PACKAGING 3 digits	SPECIALS 1 to 3 digits
DFRC	**16**	**10** = Custom, per TPI	**STANDARD LEAD FREE CODES** **E05*** = Tube pack **STANDARD TIN/LEAD CODES** **D05** = Tube pack **NON-STANDARD TIN/LEAD CODES** **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 * Leadree version not currently released	1 thru 999 as required **Blank** = Standard **1** = S1 **2** = S2 etc…

VISHAY DALE NETWORKS
MCMB / MCML / MCMU

SAP Part Number	SAP Description
MCMU32	**MCMU-S32 S51**
MCML4	**MCML-S4 S51**
MCMB15	**MCMB-15 S51**
MCMB01S9	**MCMB-01-S9 S51**

Standard packaging code S51 for all part numbers

MODEL 4 digits	VERSION Up to 5 digits
MCMB **MCML** **MCMU**	1 thru 999 (for all models) and 01S1 thru 04S11 (for MCMB only) as required **1** = S1 **2** = S2 **01S9** **03S11** **04S9**

VISHAY DALE NETWORKS
MDM (Military M83401/01, /02)

SAP Part Number	SAP Description
M8340102M1003FBD04	**MDM16-01 100K 1% M M8340102M1003FB D04**
M8340101KA001GJD04	**MDM14-05-820/131G 2% K M834010KA001GJ D04**

MILITARY STYLE 6 digits	MIL. SPEC. SHEET 2 digits	TC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	SCHEMATIC 1 digit	PACKAGING 3 digits
M83401	**01** = MDM14 **02** = MDM16	**K** = ±100ppm/°C **M** = ±300ppm/°C	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. For J 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	**F** = ±1% **G** = ±2% **J** = ±5%	**A** = Isolated (03) **B** = Bussed, pin "n" common (01) **J** = Dual Terminator (05)	**STANDARD TIN/LEAD CODES** **D04** = Tube pack **STANDARD TIN/LEAD SLDC CODES** **DSL** = Tube pack, SLDC **NON-STANDARD TIN/LEAD CODES** **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 **M02**, **M03**, **M04**, **M05**, **M06**, **M07**, **M10**, **M11**, **M12**, **M13**, **M14**, **M15** heat seal pack available **S03**, **S10**, **S11**, **S30** special pack available

VISHAY DALE NETWORKS
MDP (01, 03, 00)

SAP Part Number	SAP Description
MDP160112K7FD04	**MDP16-01 12.7K 1% D04**
MDP1405121CGE04	**MDP14-05- 221/271G 2% E04 e1**
MDP16030000ZD04	**MDP16-03 0 OHM JUMPER D04**
MDP1400XXXXSD04104	**MDP14-00-S104 D04**

MODEL 3 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 3 digits	SPECIAL Up to 3 digits
MDP	**14** **16** **18**	**STANDARD** **01** = Bussed, pin "n" common **03** = Isolated **NON-STANDARD** **00** = Custom, per TPI	**R** = ohms **K** = kilohms **M** = Megohms **0000** = 0 Ohm Jumper **XXXX** = Special (value per TPI) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **K** = ±10% **S** = Special, per TPI **Z** = 0 Ohm Jumper	**STANDARD LEAD FREE CODES** **E04** = Tube pack **STANDARD TIN/LEAD CODES** **D04** = Tube pack **NON-STANDARD TIN/LEAD CODES** **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	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
MDP (45, 46)

SAP Part Number	SAP Description
MDP1646D04	**MDP16-46 D04**
MDP1645E04	**MDP16-45 E04 e1**
MDP1645D04122	**MDP16-45-S122 D04**

MODEL 3 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	PACKAGING 3 digits	SPECIAL Up to 3 digits
MDP	**16**	**45** = TTL/ECL Translator **46** = Signal Terminator	**STANDARD LEAD FREE CODES** **E04** = Tube pack **STANDARD TIN/LEAD CODES** **D04** = Tube pack **NON-STANDARD TIN/LEAD CODES** **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	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
MDP (05)

SAP Part Number	SAP Description
MDP1405121CGD04	**MDP14-05-221/271G 2% D04**
MDP1605990AGE04	**MDP16-05-161/261G 2% E04 e1**

MODEL 3 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 3 digits	SPECIAL Up to 3 digits
MDP	**14** **16** **18**	**05** = Dual Terminator	Impedance code, 2 significant digits, 3rd is multiplier, 4th character is an alpha modifier	**F** = ±1% **G** = ±2% **J** = ±5% **K** = ±10% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **E04** = Tube pack **STANDARD TIN/LEAD CODES** **D04** = Tube pack **NON-STANDARD TIN/LEAD CODES** **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	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
MDRC

SAP Part Number	SAP Description
MDRC1641500GE04	**MDRC-1641-500G E04 e1**
MDRC1600XXXSD0410	**MDRC-1600-S10 D04**
MDRC1600X03SD045	**MDRC-1600-03-S5 D04**
MDRC1600500GD0415	**MDRC-1600-500G-S15 D04**

MODEL 4 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 3 digits	TOLERANCE 1 digit	PACKAGING 3 digits	SPECIAL Up to 3 digits
MDRC	**16**	**41** **42** **00**	(value in ohms) 3-digit numeric code where the first two digits are the significant figures and the last digit is the multiplier. If no value/value code displayed, use "X" as filler Check data sheet for available value range	**G** = ±2% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **E04** = Tube pack **STANDARD TIN/LEAD CODES** **D04** = Tube pack **NON-STANDARD TIN/LEAD CODES** **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	Dash #'s 1 thru 999 as applicable **Blank** = Standard Example: **1** = S1 **10** = S10

VISHAY DALE NETWORKS
MSM (Military M83401/04, /05, /06, /07, /08, /09)

SAP Part Number	SAP Description
M8340107K1003GCD03	**MSM06A-01 100K 2% K M8340107K1003GC D03**
M8340104KA001GHD03	**MSM06C-05-820/131G 2% K M8340104KA001GH D03**

MILITARY STYLE 6 digits	MIL. SPEC. SHEET 2 digits	TC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	SCHEMATIC 1 digit	PACKAGING 3 digits
M83401	**04** = MSM06C **05** = MSM08C **06** = MSM10C **07** = MSM06A **08** = MSM08A **09** = MSM10A	**K** = ±100ppm/°C **M** = ±300ppm/°C	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	**F** = ±1% **G** = ±2% **J** = ±5%	**C** = Bussed, pin "1" common (01) **G** = Isolated (03) **H** = Dual Terminator (05)	**STANDARD TIN/LEAD CODES** **D03** = Tube pack **STANDARD TIN/LEAD SLDC CODES** **DSL** = Tube pack, SLDC **NON-STANDARD TIN/LEAD CODES** **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

VISHAY DALE NETWORKS
MSM (Military M83401/18, /19)

SAP Part Number	SAP Description
M8340118KA002GXD03	**MSM06A-18-S2 M8340118KA002GX D03**
M8340119KA007GXD03	**MSM08A-19-S7 M8340119KA007GX D03**

MILITARY STYLE 6 digits	MIL. SPEC. SHEET 2 digits	TC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	SCHEMATIC 1 digit	PACKAGING 3 digits
M83401	**18** = MSM06A-18 **19** = MSM08A-19	**K** = ±100ppm/°C	Per std MIL spec resistance designator table (All are in format "Axxx") (Value codes "Axxx" = the dash number, as in examples below) A001 = S1 A003 = S3 A004 = S4 A005 = S5 and so on… (NOTE: P/N FORMAT PER MIL-PRF-83401) The M8340118… series is currently only -S1 and -S2. The M8340119… series is currently -S1 through -S12.	**G** = ±2%	**X**	**STANDARD TIN/LEAD CODES** **D03** = Tube pack **STANDARD TIN/LEAD SLDC CODES** **DSL** = Tube pack, SLDC **NON-STANDARD TIN/LEAD CODES** **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

VISHAY DALE NETWORKS
MSM (Military M83401/24)

SAP Part Number	SAP Description
M8340124K1001GGD03	**MSM10A-03-S2 1K 2% K M8340124K1001GG D03**
M8340124K1001GCD03	**MSM10A-01-S4 1K 2% K M8340124K1001GC D03**
M8340124MA008JHD03	**MSM10A-05-220/330J-S3 5% M M8340124MA008JH D03**

MILITARY STYLE 6 digits	MIL. SPEC. SHEET 2 digits	TC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	SCHEMATIC 1 digit	PACKAGING 3 digits
M83401	**24** = MSM10A	**K** = ±100ppm/°C **M** = ±300ppm/°C	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	**F** = ±1% **G** = ±2% **J** = ±5%	**C** = Bussed, pin "1" common (MSM10A-01-S4) **G** = Isolated (MSM10A-03-S2) **H** = Dual Terminator (MSM10A-05-S3)	**STANDARD TIN/LEAD CODES** **D03** = Tube pack **STANDARD TIN/LEAD SLDC CODES** **DSL** = Tube pack, SLDC **NON-STANDARD TIN/LEAD CODES** **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

VISHAY DALE NETWORKS
MSP (01, 03, 00)

SAP Part Number	SAP Description
MSP06C03470RGDA	**MSP06C-03 470 2% D03**
MSP08A0310K0FEJ	**MSP08A-03 10K 1% EJ e1**
MSP09A0000000DA11	**MSP09A-00-S11 D03**
MSP10A0050R0GDA97	**MSP10A-00-S97 50 2% D03**

MODEL 3 digits	PIN COUNT 2 digits	HEIGHT 1 digit	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
MSP	**06** **08** **09** **10** Even count for 03 schematic	**STANDARD** **A** = Low profile **C** = High profile **NON-STANDARD** **B** = Medium profile	**STANDARD** **01** = Bussed, pin "1" common **03** = Isolated **NON-STANDARD** **02** = Combined group resistors **04** = Bussed, pin "1" and "n" common **00** = Custom, per TPI	**R** = ohms **K** = kilohms **M** = Megohms **0000** = 0 ohm jumper or special (value per TPI) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI **Z** = 0 ohm jumper	**STANDARD LEAD FREE CODES** **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **DA** = Tube pack (D03) **NON-STANDARD TIN/LEAD CODES** **DB** = Tube pack, parts packaged side-by-side (D29) **SB** = Tube pack, 5 tube/bundle, with antistatic overpack (S13) **S7** = Tube pack, 1 tube/bundle, with antistatic overpack (S14) **SC** = 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 **SG** (S28), **SJ** (S30) special pack available	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **400** = HSD

VISHAY DALE NETWORKS
MSP (05)

SAP Part Number	SAP Description
MSP08A05101CGDA	**MSP08A-05-181/241G 2% D03**
MSP10C05141AGEJ	**MSP10C-05-271/271G 2% EJ e1**

MODEL 3 digits	PIN COUNT 2 digits	HEIGHT 1 digit	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
MSP	**06** **08** **10**	**STANDARD** **A** = Low profile **C** = High profile **NON-STANDARD** **B** = Medium profile	**05** = Dual Terminator	Impedance code, 2 significant digits and a multiplier, followed by alpha modifier	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **DA** = Tube pack (D03) **NON-STANDARD TIN/LEAD CODES** **DB** = Tube pack, parts packaged side-by-side (D29) **SB** = Tube pack, 5 tube/bundle, with antistatic overpack (S13) **S7** = Tube pack, 1 tube/bundle, with antistatic overpack (S14) **SC** = 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 **SG** (S28), **SJ** (S30) special pack available	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **400** = HSD

VISHAY DALE NETWORKS
R1C / R4C / R5C

SAP Part Number
R1C16A20K0BEB14

SAP Description
R1C-16A 20K .1% T-9 B14

MODEL 3 digits	PIN COUNT 2 digits	SCHEMATIC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	TC 1 digit	PACKAGING 3 digits	SPECIAL Up to 3 digits
R1C **R4C** **R5C**	**06** (R4C & R5C) **08** (R4C & R5C) **16** (R1C only)	**A** (R1C only) **B** (R4C & R5C)	**R** = ohms **K** = kilohms **M** = Megohms	**B** = ±0.1% **C** = ±0.25% **D** = ±0.5% **F** = ±1% **G** = ±2%	**Y** = ±10ppm/°C (T-13) **X** = ±15ppm/°C (T-10) **E** = ±25ppm/°C (T-9) **H** = ±50ppm/°C (T-2) **K** = ±100ppm/°C (T-1)	**STANDARD LEAD FREE CODES** **E14*** = Bulk pack **STANDARD TIN/LEAD CODES** **B14** = Bulk pack **NON-STANDARD TIN/LEAD CODES** **P13** = Tube pack, antistatic **S51** = Custom pack, per TPI * Leadfree version not currently released	Dash #'s 1 thru 999 as applicable **Blank** = Standard

VISHAY DALE NETWORKS
SOGC (01, 03, 00)

SAP Part Number	SAP Description
SOGC160133R0GRZ	**SOGC-1601 33 2% R61**
SOGC200312K0GEA	**SOGC-2003 12K 2% EA e1**
SOGC2001100RGDC399	**SOGC-2001-S399 100 2% D02**
SOGC200320K0FRZ399	**SOGC-2003-S399 20K 1% R61**

MODEL 4 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
SOGC	**16** **20**	**STANDARD** **01** = Bussed, pin "n" common **03** = Isolated **NON-STANDARD** **00** = Custom, per TPI	**R** = ohms **K** = kilohms **M** = Megohms **0000** = 0 ohm jumper or special (value per TPI) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI **Z** = 0 ohm jumper	**STANDARD LEAD FREE CODES** **EA** = Reel pack **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **RZ** = Reel pack (R61) **DC** = Tube pack (D02) **NON-STANDARD TIN/LEAD CODES** **SB** = Tube pack, 5 tube/bundle, with antistatic overpack (S13) **S7** = Tube pack, 1 tube/bundle, with antistatic overpack (S14) **SC** = 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 **SJ** (S30) special pack available	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
SOGC (05)

SAP Part Number	SAP Description
SOGC1605750BGRZ	**SOGC-1605-121/201G 2% R61**
SOGC2005561AFEA	**SOGC-2005-6340/4991F 1% EA e1**

MODEL 4 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
SOGC	**16** **20**	**05** = Dual Terminator	Impedance code, 3 digits followed by alpha modifier	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **EA** = Reel pack **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **RZ** = Reel pack (R61) **DC** = Tube pack (D02) **NON-STANDARD TIN/LEAD CODES** **SB** = Tube pack, 5 tube/bundle, with antistatic overpack (S13) **S7** = Tube pack, 1 tube/bundle, with antistatic overpack (S14) **SC** = 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 **SJ** (S30) special pack available	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
SOGC (45, 46)

SAP Part Number	SAP Description
SOGC1645RZ	**SOGC-1645 R61**
SOGC2046EA	**SOGC-2046 EA e1**

MODEL	PIN COUNT	SCHEMATIC	PACKAGING	SPECIAL
4 digits	2 digits	2 digits	2 digits	Up to 3 digits
SOGC	**16** **20**	**45** = TTL/ECL Translator **46** = Signal Terminator	**STANDARD LEAD FREE CODES** **EA** = Reel pack **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **RZ** = Reel pack (R61) **DC** = Tube pack (D02) **NON-STANDARD TIN/LEAD CODES** **SB** = Tube pack, 5 tube/bundle, with antistatic overpack (S13) **S7** = Tube pack, 1 tube/bundle, with antistatic overpack (S14) **SC** = 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 **SJ** (S30) special pack available	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE** **DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
SOMC (01, 03, 00)

SAP Part Number	SAP Description
SOMC140133R0GDC	**SOMC-1401 33 2% D02**
SOMC20031K20FEA	**SOMC-2003 1.2K 1% EA e1**
SOMC16030000ZRZ	**SOMC-1603 0 OHM JUMPER R61**
SOMC140110K0GRZ399	**SOMC-1401-S399 10K 2% R61**
SOMC1603133KFEJ399	**SOMC-1603-S399 133K 1% EJ e1**

MODEL 4 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
SOMC	**14** **16** **20**	**STANDARD** **01** = Bussed, pin "n" common **03** = Isolated **NON-STANDARD** **00** = Custom, per TPI	**R** = ohms **K** = kilohms **M** = Megohms **0000** = 0 ohm jumper or special (value per TPI) Check data sheet for available value range	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI **Z** = 0 ohm jumper	**STANDARD LEAD FREE CODES** **EA** = Reel pack **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **RZ** = Reel pack (R61) **DC** = Tube pack (D02) **NON-STANDARD TIN/LEAD CODES** **SB** = Tube pack, 5 tube/bundle, with antistatic overpack (S13) **S7** = Tube pack, 1 tube/bundle, with antistatic overpack (S14) **SC** = 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 **SJ** (S30) special pack available	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORK/ARRAY RESISTORS
SOMC (05)

SAP Part Number	SAP Description
SOMC2005221BGDC	**SOMC-2005-331/681G 2% D02**
SOMC1405150AFEJ	**SOMC-1405-1501/1201F 2% EJ e1**

MODEL 4 digits	PIN COUNT 2 digits	SCHEMATIC 2 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL Up to 3 digits
SOMC	**14** **16** **20**	**05** = Dual Terminator	Impedance code, 3 digits followed by alpha modifier	**F** = ±1% **G** = ±2% **J** = ±5% **S** = Special, per TPI	**STANDARD LEAD FREE CODES** **EA** = Reel pack **EJ** = Tube pack **STANDARD TIN/LEAD CODES** **RZ** = Reel pack (R61) **DC** = Tube pack (D02) **NON-STANDARD TIN/LEAD CODES** **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	Dash #'s 1 thru 999 as applicable **Blank** = Standard **GENERAL USAGE DASH NUMBERS** **399** = Backside soldering

VISHAY DALE NETWORKS
SPM

SAP Part Number	SAP Description
SPM71S51	**SPM-71 S51**
SPM101S51	**SPM-101 S51**
SPM33-2002GS51	**SPM-33 20K 2% S51**
SPM152-1000FS51	**SPM-152 100 1% S51**

MODEL 3 digits	TYPE 2 or 3 digits	VALUE/TOLERANCE INDICATOR 0 or 1 digit	VALUE 0 or 4 digits	TOLERANCE 0 or 1 digit	PACKAGING 3 digits
SPM	01 thru 99 or 100 thru 999 as required **71** **76** **100** **101**	Blank = Standard Use a "–" for P/N's that call out values / tolerances	Blank = Standard 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.	Blank = Standard **F** = ±1% **G** = ±2% **J** = ±5%	**STANDARD CODES** **S51** = Custom pack, per TPI **NON-STANDARD CODES** **M18 =** Tray pack, w/ESD **R78 =** Reel pack, Embossed carrier tape, 7" reel, w/ESD

VISHAY DALE WIREWOUND RESISTORS
HL BRACKETS and ACCESSORIES

SAP Part Number	SAP Description
BRACKET101033E29	BRACKET101 FOR HLZ033 E29
BRACKET205	BRACKET205 B29

MODEL 7 Digits	SIZE 3 Digits	RESISTOR TYPE 3 Digits	PACKAGING 3 Digits
BRACKET	101, 102 or 103 available	010, 011, 012, 020, 025, 026, 050, 051, 060, 065, 080, 100, 120, 130, 160, 175, 225 for all HL types but HLZ 033, 090, 099, 105, 110, 140, 165, 220, 240, 275, 300, 375 for HLZ types	E29 = RoHS Compliant Blank = non-RoHS Compliant
	201, 202, 203, 204, 205, 206 or 208	Not applicable for the 200 Bracket series	
	301, 302 or 303 available	011, 012, 020, 025, 026, 050, 051, 060, 065, 080, 100, 120, 130, 160, 175, 225 for all HL types but HLZ 033, 090, 099, 105, 110, 140, 165, 220, 240, 275, 300, 375 for HLZ types	

MODEL & PACKAGING CODE (RoHS Compliant) 7 Digits	ACCESSORIES DESCRIPTION
75008602E29	SAP part number for HL Slider 70
21054401E29	SAP part number for HL Slider 71
75008603E29	SAP part number for HL Slider 72
75008604E29	SAP part number for HL Slider 73
75008605E29	SAP part number for HL Slider 74

VISHAY DALE NETWORKS
SPMX

SAP Part Number
SPMX183S51

SAP Description
SPMX-183 S51

MODEL 4 digits	TYPE 3 digits	PACKAGING 3 digits
SPMX	001 thru 999 as required **183** **192**	**STANDARD CODES** **S51** = Custom pack, per TPI

VISHAY DALE NETWORK/ARRAY RESISTORS

TRA

SAP Part Number	SAP Description
TRA06E083100RFTA	TRA06E0803 100 1% RT1
TRA06E08310K0GTA	TRA06E0803 10K 2% RT1
TRA06E08347R5JTA	TRA06E0803 47.5 5% RT1

NOTE: TRA SERIES NO LONGER MANUFACTURED, AVAILABLE ONLY IF INVENTORY EXISTS

MODEL 3 digits	SIZE 2 digits	TERMINAL 1 digit	PIN COUNT 2 digits	SCHEMATIC 1 digit	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 2 digits	SPECIAL 2 digits
TRA	06	E	08 10* 16*	1 = 01* 2 = 02* 8 = 20* 3 = 03 9 = 99*	R = decimal K = thousand 54R1 = 54.1 ohm 1K32 = 1,320ohm Check datasheet for available value range	F = ±1.0% G = ±2.0% J = ±5.0%	TA = RT1 (reel)	Dash #'s 1 thru 99 as applicable

VISHAY DALE NETWORKS
MISCELLANEOUS (cont 1 of 3)

SAP Part Number
81018706B29

SAP Description
810187-06 B29 (Part number for 810187-06 reel plug, packaged B29)

PART NUMBER 6 digits	DASH TYPE 2 digits	PACKAGING 3 digits
2xxxxx 8xxxxx	00 thru 99 as applicable	B29, P03, S27, S31, T03, etc.

VISHAY DALE NETWORKS
LOT CHARGES (cont 2 of 3)

SAP Part Number
LOTCHG-DALENETWORK

SAP Description
LOTCHG-DALENETWORK S31

Standard packaging code S31 for all part numbers

CHARGE 7 digits	RESISTOR STYLE Up to 11 digits
LOTCHG-	DALENETWORK= Dale Networks (Material Group FN1)

VISHAY DALE NETWORKS
FAST TRACK PROGRAM (cont 3 of 3)

SAP Part Number	SAP Description
FSTTRK10DALENETS	FSTTRK10DALENETS S31
FSTTRK20DALENETS	FSTTRK20DALENETS S31

Standard packaging code S31 for all part numbers

CHARGE 6 digits	LEAD TIME 2 digits	RESISTOR STYLE 9 digits
FSTTRK	05 = 5 working days 10 = 10 working days 15 = 15 working days 20 = 20 working days	DALENETS = Dale Networks (Material Group FN1)