



SAP PART NUMBERING MANUAL

VISHAY DALE HUNTINGTON RESISTORS



VISHAY HUNTINGTON RESISTORS

ACCESSORIES

SAP Part Number

HEI75007505E29

HEI21045707E66

SAP Description

HEI 75007505 E29

HEI 21045707 E66

BRAND 3 digits	MODEL 8 digits	PACKAGING 3 digits	SPECIAL Up to 3 digits
HEI	75006902 = centering washer 75007401 = centering washer 75007505 = screw 75007510 = screw 75008101 = centering washer 21045703 = insulating washer 21045707 = mica washer	STANDARD LEAD FREE PACKAGING CODES E29 = RoHS Compliant E66 = Lead free bulk pack	Dash Numbers A – ZZZ or 0 - 999 As Applicable



VISHAY HUNTINGTON RESISTORS

ALSR / ALVR

SAP Part Number

ALSR012R000FE08

ALSR1045R00JE29

SAP Description

ALSR01 2 1% E08 e3

ALSR10 45 5% E29 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
ALSR ALVR	01 02 03 5A 05 07 10 11 12 13 15 20 30 B1=10B	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	P = ± 0.025% A = ± 0.05% B = ± 0.1% C = ± 0.25% D = ± 0.5% F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E07= Tape/reel, 0.4 in. pitch, 2-7/8 in. tape spacing (ALxR5A, ALxR05) E08 = Tape/reel, 0.2 in. pitch, 2-1/16 in. tape spacing (ALxR01) E29 = Tape/reel, 0.4 in. pitch, 3-3/8 in. tape spacing (ALxR07, ALxR10, ALxR11, ALxR12, ALxR13, ALxR15) E48 = Tape/reel, 0.4 in. pitch, 2-1/2 in. tape spacing (ALxR02, ALxR03) E12 = Bulk pack up to 100 pcs E51 = Custom pack, per TPI E73 = (ALSR/ALVR01, ALSR/ALVR03, ALSR/ALVR5A, ALSR/ALVR05, ALSR/ALVR10) E70 = (ALSR/ALVR01, ALSR/ALVR03, ALSR/ALVR5A)	NI = NON INDUCTIVE W03 = printed as 3.25 W W07 = printed as 6.5 W



VISHAY HUNTINGTON RESISTORS

ASE / AVE

SAP Part Number

ASE024020ER150JE

AVE030015E8R00KE

SAP Description

ASE0240-20E 0.15 5% E01 e3

AVE0300-15E 8 10% E01

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	4 digits	2 digits	1 digits	4 digits	1 digit	1 digits	Up to 2 digits
ASE AVE	0050 0100 0110 0120 0155 0220 0240 0300 0350 0375 0400 0420 0425 0450 0500 0750* 1000* 1500* 2000* 5000*	02* 03 04 06 15 =QC 20 21 22 FC = Ferrule Cap	E = Lead Free	R = decimal K = thousand R150 = 0.15 ohm 54R1 = 54.1 ohm 1K30 = 1,300 ohm	F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	Dash Numbers 0A – ZZ or 01 - 99 As Applicable 91 = 100 Style Horizontal Thru-Bolt Bracket 92 = 200 Style Push-In Bracket 93 = 300 Style Vertical Thru-Bolt Bracket

*ASE Model only



VISHAY HUNTINGTON RESISTORS

AST / AVT

SAP Part Number

AST07506E1K500KE

AVT16020E3K800ME

SAP Description

AST075-06E 1.5K 10% E01 e3

AVT160-20E 3.8K 20% E01 e3

MODEL 3 digits	SIZE 3 digits	TERMINAL 2 digits	TERMINAL FINISH 1 digits	VALUE 5 digits	TOLERANCE 1 digit	PACKAGING 1 digits	SPECIAL Up to 2 digits
AST AVT	005 070 010 075 020 75A 025 100 25A 110 25B 120 030 130 050 160 50A 175 50B 190 060 200 065 225 012 080	04 05 06 07 14 = QC 15 = QC 20 FC = Ferrule Cap	E = Lead Free	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E = Lead (Pb)-Free cell and bulk pack	Dash Type 0A – ZZ or 01 - 99 As Applicable 91 = 100 Style Horizontal Thru-Bolt Bracket 92 = 200 Style Push-In Bracket 93 = 300 Style Vertical Thru-Bolt Bracket



VISHAY HUNTINGTON RESISTORS

BRACKETS

SAP Part Number

HEIKIT206100E29

HEIKIT1030420E29

SAP Description

HEI 206 FOR TUBULAR 100 E29

HEI 103 FOR EDGEWOUND 0420 E29

BRAND 3 digits	TYPE 3 digits	BRACKET TYPE 3 digits	RESISTOR SIZE 3-4 digits	PACKAGING 3 digits	SPECIAL Up to 3 digits
HEI	KIT	101 102 103 104 110 111 201 203 204 205 206 207 301 302 303 500	AST, AVT, FST, FVT Type (3 digits) 005, 008, 010, 020, 025, 25A, 25B, 026, 030, 040, 40B, 050, 50A, 50B, 50C, 060, 065, 070, 075, 75A, 080, 100, 110, 120, 130, 150, 155, 160, 175, 190, 200, 225, 240, 300, 375, 400, 500, 600 ASE, AVE, FSE, FVE Type (4 digits) 0040, 0050, 0060, 0075, 0090, 0100, 0110, 0120, 0140, 0150, 0155, 0160, 0180, 0185, 0220, 0225, 0240, 0270, 0300, 0350, 0375, 0400, 0420, 0425, 0450, 0500, 0750, 1000, 1500, 2000	STANDARD LEAD FREE PACKAGING CODES E29 = RoHS Compliant E66 = Lead free bulk pack	Dash Numbers A – ZZZ or 0 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS

CF



SAP Part Number

CF01/427K00JE66

CF000156R00JE66

SAP Description

CF01/4 27K 5% E66 e3

CF0001 56 5% E66 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 digits	4 digits	5 digits	1 digit	3 digits	Up to 2 digits
CF	01/4 0001	R = decimal K = thousand 56R00 = 56 ohm 27K00 = 27,000 ohm	J = $\pm 5\%$	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free ammo pack	Dash Numbers 1 - 99 As Applicable



VISHAY HUNTINGTON RESISTORS

CMS / CMV

SAP Part Number

CMS16CME16K00KE

CMV22CME1R500JE

SAP Description

CMS16-CME 16K 10% E01 e3

CMV22-CME 1.5 5% E01 e3

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	2 digits	1 digits	5 digits	1 digit	1 digits	Up to 2 digits
CMS CMV	16 20 22	CM = 0.197" Diameter terminal hole CA = 0.265" Diameter terminal hole	E = Lead Free	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	NI = NON INDUCTIVE Dash Numbers 0A – ZZ or 01 - 99 As Applicable



VISHAY HUNTINGTON - CENTRAL RESISTORS

FA

SAP Part Number

FA3/41K500FE08

FA00542K00BE07

SAP Description

FA3/4 1.5K 1% E08 e3

FA005 42K 0.1% E07 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
FA	3/4 001 01A 002 003 03A 004 04B 005 05A 007 07A 010 10A	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	T = ± 0.01% A = ± 0.05% B = ± 0.1% C = ± 0.25% D = ± 0.5% F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E07= Tape/reel, 0.4 in. pitch, 2-7/8 in. tape spacing (FA004, FA005, FA05A, FA07A) E08 = Tape/reel, 0.2 in. pitch, 2-1/16 in. tape spacing (FA3/4, FA001, FA01A) E29 = Tape/reel, 0.4 in. pitch, 3-3/8 in. tape spacing (FA007, FA010, FA10A) E48 = Tape/reel, 0.4 in. pitch, 2-1/2 in. tape spacing (FA002, FA003, FA03A, FA04B) E12 = Bulk pack up to 100 pcs	NI = NON INDUCTIVE



VISHAY HUNTINGTON RESISTORS

FS

SAP Part Number

FS-020CBE10R00JE

FS-010CBE30R00FE

SAP Description

FS-020-CBE 10 5% E01 e3

FS-010-CBE 30 1% E01 e3

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 digits	4 digits	2 digits	1 digits	5 digits	1 digit	1 digits	Up to 2 digits
FS	-003 -05A -005 -05B -05S -006 -010 -10S -020 -20S	CB = PCB Mount	E = Lead Free	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = $\pm 1\%$ G = $\pm 2\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Cui feestom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	NI = NON INDUCTIVE Dash Numbers 0A – ZZ or 01 - 99 As Applicable



VISHAY HUNTINGTON RESISTORS

FSE / FVE

SAP Part Number

FSE024020ER150JE

FVE030015E8R00KE

SAP Description

FSE0240-20E 0.15 5% E01 e3

FVE0300-15E 8 10% E01

MODEL	SIZE		TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	4 digits		2 digits	1 digit	4 digits	1 digit	1 digit	Up to 2 digits
FSE FVE	0040 0050 0060 0075 0090 0100 0110 0120 0140 0150 0155 0160 0180 0185 0220 0225	0240 0270 0300 0375 0400 0420 0500 0550 0600 0700 0750 0800 1000 1500 2000 3000	02* 03 04 06 15 = QC 20 22 FC = Ferrule Cap	E = Lead Free	R = decimal K = thousand R150 = 0.15 ohm 54R1 = 54.1 ohm 1K30 = 1,300 ohm	F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E = Lead (Pb)-Free cell and bulk pack	Dash Numbers 0A – ZZ or 01 - 99 As Applicable 91 = 100 Style Horizontal Thru-Bolt Bracket 92 = 200 Style Push-In Bracket 93 = 300 Style Vertical Thru-Bolt Bracket CT = Center Tap



VISHAY HUNTINGTON RESISTORS

FSOT / FVOT MINIATURE OVAL

Obsolete this page information add it to FSOT/FVTO Standard Sheet

SAP Part Number

FSOT1011E1R000JENI

FVOT2011E2K000KE

SAP Description

FSOT10-11E-NI 1 5% E01 e3

FVOT20-11E 2K 10% E01 e3

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	2 digits	1 digits	5 digits	1 digit	1 digits	Up to 2 digits
FSOT FVOT	10 15 20 070 095	11	E = Lead Free	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = $\pm 1\%$ G = $\pm 2\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	NI = NON INDUCTIVE Dash Numbers 0A – ZZ or 01 - 99 As Applicable CT = Center Tap



VISHAY HUNTINGTON RESISTORS

FSOT STANDARD OVAL

SAP Part Number

FSOT4009E1R000JENI
 FSOT7516E200R0ME

SAP Description

FSOT40-09E-NI 1 5% E01 e3
 FSOT75-16E 200 20% E01

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	2 digits	1 digits	5 digits	1 digit	1 digits	Up to 2 digits
FSOT	10 15 20 30 40 55 65 75 70 95	09 11 16 = QC	E = Lead Free	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	NI = NON INDUCTIVE Dash Numbers 0A – ZZ or 01 - 99 As Applicable CT= Center Tap



VISHAY HUNTINGTON RESISTORS

FST / FVT

SAP Part Number

FST02506E10R00KE

FVT50B15E25R00JE

SAP Description

FST025-06E 10 10% E01 e3

FVT50B-15E 25 5% E01

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	3 digits	2 digits	digits	5 digits	1 digit	1 digits	Up to 2 digits
FST FVT	005 080 008 100 010 110 020 120 025 130 25A 150 25B 155 026 160 030 175 040 200 40B 225 050 240 50A 300 50B 350 50C 375 065 400 075 500 75A 600 750 1K0 20A	02 04 05 06 07 14= QC 15 = QC 20 21 22 FC = Ferrule Cap	E = Lead Free	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = ± 1% G = ± 2% H = ± 3% J = ± 5% K = ± 10% M = ± 20%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	NI = NON INDUCTIVE Dash Type 0A – ZZ or 01 - 99 As Applicable 91 = 100 Style Horizontal Thru-Bolt Bracket 92 = 200 Style Push-In Bracket 93 = 300 Style Vertical Thru-Bolt Bracket NP = Non-inductive + 200 Style Push-in bracket NH = Non-inductive +100 style Horizontal bracket NV = Non-inductive + 300 style vertical bracket CT= Center Tap



VISHAY HUNTINGTON RESISTORS

FSTL / FVTL / FSTS / FVTS / FSWL/ FVWL

SAP Part Number

FSTS05R2E250R0JE

FVWL20A1E350R0HE

SAP Description

FSTS05-R2E 250 5% E01 e3

FVWL20-A1E 350 3% E01 e3

MODEL	SIZE	TERMINAL	TERMINAL FINISH	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	2 digits	1 digit	5 digits	1 digit	1 digits	Up to 2 digits
FSTL	05	A1(sizes 10 & 20)	E = Lead	R = decimal	F = ± 1%	STANDARD LEAD FREE PACKAGING CODES E = E01 = Skin pack K = E51 = Custom pack, per TPI E= Lead (Pb)-Free cell and bulk pack	NI = NON INDUCTIVE Dash Numbers 0A – ZZ or 01 - 99 As Applicable CT = Center Tap
FVTL	10	A2 (sizes 05)	Free	K = thousand	G = ± 2%		
FSTS	20	R1(sizes 10 & 20)		R1500 = 0.15 ohm	H = ± 3%		
FVTS	5A	R2(sizes 05)		54R15 = 54.15 ohm	J = ± 5%		
FSWL	08			1K325 = 1,325 ohm	K = ± 10%		
FVWL	1A				M = ± 20%		
	12						
	15						
	2A						

VISHAY HUNTINGTON RESISTORS

FVR



SAP Part Number

FVR0504R000KE66

SAP Description

FVR050 4 10% E66 e3

FVR025350R0KE66

FVR025 350 10% E66 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
FVR	025 050 100 150 300	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	K = ± 10%	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS



MF

SAP Part Number

MF1/210K00FE66

MF1/4499R0JE66

SAP Description

MF1/2 10K 1% E66 e3

MF1/4 499 5% E66 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
MF	1/4 1/2 002	R = decimal K = thousand 54R15 = 54.15 ohm 1K325 = 1,325 ohm	B = $\pm 0.1\%$ F = $\pm 1\%$ J = $\pm 5\%$	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free ammo pack	Dash Numbers 1 - 999 As Applicable



VISHAY HUNTINGTON - MILLS RESISTORS MRA

SAP Part Number
MRA-05R5000FE48
MRA-126R000FE07

SAP Description
MRA-05 0.5 1% E48 e3
MRA-12 6 1% E07 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
MRA	-05 -10 -12 -2B	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	T = ± 0.01% A = ± 0.05% B = ± 0.1% C = ± 0.25% D = ± 0.5% F = ± 1.0% J = ± 5.0%	STANDARD LEAD FREE PACKAGING CODES E07= Tape/reel, 0.4 in. pitch, 2-7/8 in. tape spacing (MRA-10, MRA-12) E48 = Tape/reel, 0.4 in. pitch, 2-1/2 in. tape spacing (MRA-05, MRA-2B) E12 = Bulk pack up to 100 pcs	



VISHAY HUNTINGTON - MILLS RESISTORS MRB

SAP Part Number
MRB016R000FE08
MRB054R990FE48

SAP Description
MRB01 6 1% E08 e3
MRB05 4.99 1% E48 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
MRB	01 02 03 05 06 10 12 15	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	T = $\pm 0.01\%$ A = $\pm 0.05\%$ B = $\pm 0.1\%$ C = $\pm 0.25\%$ D = $\pm 0.5\%$ F = $\pm 1.0\%$ J = $\pm 5.0\%$	STANDARD LEAD FREE PACKAGING CODES E07= Tape/reel, 0.4 in. pitch, 2-7/8 in. tape spacing (MRB10, MRB12) E08 = Tape/reel, 0.2 in. pitch, 2-1/16 in. tape spacing (MRB01, MRB02, MRB03) E29 = Tape/reel, 0.4 in. pitch, 3-3/8 in. tape spacing (MRB15) E48 = Tape/reel, 0.4 in. pitch, 2-1/2 in. tape spacing (MRB05, MRB06) E12 = Bulk pack up to 100 pcs	NI = NON INDUCTIVE



VISHAY MILLS RESISTORS

MRC

SAP Part Number

MRC05750R0FE02

MRC50R5000JE02NI

SAP Description

MRC05 750 1% E02 e4

MRC50-NI 0.5 5% E02 e4

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	5 digits	1 digit	3 digits	
MRC	05 10 25 50	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	D = $\pm 0.5\%$ F = $\pm 1\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$	STANDARD LEAD FREE PACKAGING CODES E02 = Card Pack E51 = Custom pack, per TPI	Dash Numbers 1-999 as applicable NI = NON INDUCTIVE



VISHAY HUNTINGTON MILLS RESISTORS MRP

SAP Part Number

MRP001R0500JE08
MRP010120K0KE29

SAP Description

MRP001 0.05 5% E08 e3
MRP010 120K 10% E29 e3

MODEL 3 digits	SIZE 3 digits	VALUE 5 digits	TOLERANCE 1 digit	PACKAGING 3 digits	SPECIAL Up to 3 digits
MRP	1/4 1/A = 1/2A 1/2 001 01A 01B 002 02A 02B 02C 003 03B 004 04B 005 006 007 010 10B 015	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	T = ± 0.01% P = ± 0.025% A = ± 0.05% B = ± 0.1% C = ± 0.25% D = ± 0.5% F = ± 1.0% G = ± 2.0% H = ± 3.0% J = ± 5.0% K = ± 10.0%	STANDARD LEAD FREE PACKAGING CODES E07= Tape/reel, 0.4 in. pitch, 2-7/8 in. tape spacing (MRP03B, MRP004, MRP04B, MRP005, MRP006, MRP007) E08 = Tape/reel, 0.2 in. pitch, 2-1/16 in. tape spacing (MRP1/4, MRP1/A, MRP1/2, MRP001) E29 = Tape/reel, 0.4 in. pitch, 3-3/8 in. tape spacing (MRP010, MRP10B) E48 = Tape/reel, 0.4 in. pitch, 2-1/2 in. tape spacing (MRP01A, MRP01B, MRP002, MRP02A, MRP02B, MRP02C, MRP003) E12 = Bulk pack up to 100 pcs	NI = NON INDUCTIVE



VISHAY HUNTINGTON - MILLS RESISTORS MRS

SAP Part Number

MRS-12985L00HE1402

MRS-13752L00FE1405

SAP Description

MRS-1298-02 0.005 3% E14 e3

MRS-1375-05 0.002 1% E14 e3

MODEL 8 digits	VALUE 4 digits	TOLERANCE 1 digit	PACKAGING 3 digits	SPECIAL 2 digits
MRS-1253	L = milliohm (below 0.01 ohm) R = decimal 5L00 = .005 ohm R050 = 0.05 ohm	T = ± 0.01%	STANDARD LEAD FREE PACKAGING CODES E14 = Bulk pack	00 to ZZ
MRS-1287		A = ± 0.05%		
MRS-1288		B = ± 0.1%		
MRS-1298		C = ± 0.25%		
MRS-1367		D = ± 0.5%		
MRS-1368		F = ± 1%		
MRS-1375		G = ± 2%		
MRS-1429		H = ± 3%		
MRS-1430		J = ± 5%		
MRS-1510		K = ± 10%		
MRS-1512				
MRS-1513				



VISHAY MILLS RESISTORS

MRW

SAP Part Number

MRW05R1000KE14

MRW0712R50JE14

SAP Description

MRW05 0.1 10% E14 e3

MRW07 12.5 5% E14 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	5 digits	1 digit	3 digits	
MRW	02 03 05 07 10 15 22	L = milliohm (below 0.01 ohm) R = decimal K = thousand 6L700 = 0.0067 ohm R1500 = 0.15 ohm 1K325 = 1,325 ohm	P = $\pm 0.025\%$ F = $\pm 1\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$	STANDARD LEAD FREE PACKAGING CODES E14 = Bulk pack E31 = Four layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1-999 as applicable NI = NON INDUCTIVE S = Standoff, historically "S" used after wattage



VISHAY MILLS RESISTORS

MRWL

SAP Part Number

MRWL05R0100HE14

MRWL10R0250FE14

SAP Description

MRWL05 0.01 3% E14 e3

MRWL10 0.025 1% E14 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	5 digits	1 digit	3 digits	
MRWL	02 03 05 07 10 15 22	R = decimal R0150 = 0.015 ohm	F = $\pm 1\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$	STANDARD LEAD FREE PACKAGING CODES E14 = Bulk pack E31 = Four layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	NI = NON INDUCTIVE Dash Numbers 1-999 as applicable

VISHAY MILLS RESISTORS

MRWxR



SAP Part Number

MRW3R1R000KE32

MRW5RR1000JE32NI

SAP Description

MRW3R 1 10% E32 e3

MRW5R-NI 0.1 5% E32 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	5 digits	1 digit	3 digits	
MRW	2R 3R 5R 7R 1R = 10R	R = decimal K = thousand R1500 = 0.15 ohm 1K325 = 1,325 ohm	P = $\pm 0.025\%$ F = $\pm 1\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$	STANDARD LEAD FREE PACKAGING CODES E01 = Skin pack E31 = Four layer bulk pack E32 = Two layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1-999 as applicable NI = NON INDUCTIVE



VISHAY MILLS RESISTORS

MR93 SERIES

SAP Part Number

MR93531K5000FAE66

MR9356380K00JCE66

SAP Description

MR9353 1.5K 1% 10 E66 e3

MR9356 380K 5% 4500 E66 e3

MODEL	VALUE	TOLERANCE	TC	PACKAGING	SPECIAL
6 digits	6 digits	1 digit	1 digits	3 digits	1 digit
MR9352	R = decimal	S = $\pm 0.005\%$	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-9 as applicable
MR9353	K = thousand	T = $\pm 0.01\%$	B = 3900 (Q)		
MR9354	M = million	Q = $\pm 0.02\%$	C = 4500 (M)		
MR9355	R15000 = 0.15 ohm	P = $\pm 0.025\%$	D = 6000 (N)		
MR9356	54R150 = 54.15 ohm	A = $\pm 0.05\%$	G = 5		
MR9357	1K3250 = 1,325 ohm	B = $\pm 0.1\%$	J = 2		
MR9358	1M0000 = 1 M ohm	C = $\pm 0.25\%$			
MR9359		D = $\pm 0.5\%$			
		F = $\pm 1.0\%$			



VISHAY MILLS RESISTORS

MR100 SERIES

SAP Part Number

MR10186K660BAE66

MR106250R00BGE66

SAP Description

MR101 86.66K .1% 10 E66 e3

MR106 250 .1% 5 E66 e3

MODEL 5 digits	VALUE 6 digits	TOLERANCE 1 digit	TC 1 digits	PACKAGING 3 digits	SPECIAL Up to 2 digits
MR101	R = decimal	S = $\pm 0.005\%$	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-99 as applicable
MR102	K = thousand	T = $\pm 0.01\%$	B = 3900 (Q)		
MR103	M = million	Q = $\pm 0.02\%$	C = 4500 (M)		
MR104	R15000 = 0.15 ohm	P = $\pm 0.025\%$	D = 6000 (N)		
MR105	54R150 = 54.15 ohm	A = $\pm 0.05\%$	G = 5		
MR106	1K3250 = 1,325 ohm	B = $\pm 0.1\%$	J = 2		
MR107	1M0000 = 1 M ohm	C = $\pm 0.25\%$			
MR108		D = $\pm 0.5\%$			
MR109		F = $\pm 1\%$			
MR110		G = $\pm 2\%$			
MR111		J = $\pm 5\%$			
MR112		K = $\pm 10\%$			
MR113					
MR114					
MR115					
MR116					



VISHAY MILLS RESISTORS

MR300 SERIES

SAP Part Number

MR3031M0000TAE66

MR307250R00JDE66

SAP Description

MR303 1M .01% 10 E66 e3

MR307 250 5% 6000 E66 e3

MODEL	VALUE	TOLERANCE	TC	PACKAGING	SPECIAL
5 digits	6 digits	1 digit	1 digit	3 digits	Up to 2 digits
MR301	R = decimal	S = ± 0.005%	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-99 as applicable
MR302	K = thousand	T = ± 0.01%	B = 3900 (Q)		
MR303	M = million	Q = ± 0.02%	C = 4500 (M)		
MR304	R15000 = 0.15 ohm	P = ± 0.025%	D = 6000 (N)		
MR305	54R150 = 54.15 ohm	A = ± 0.05%	G = 5		
MR306	1K3250 = 1,325 ohm	B = ± 0.1%	J = 2		
MR307	1M0000 = 1 M ohm	C = ± 0.25%			
MR308		D = ± 0.5%			
MR309		F = ± 1.0%			
MR310		J = ± 5.0%			
MR311					
MR312					
MR313					
MR314					
MR315					
MR316					



VISHAY MILLS RESISTORS

MR500 SERIES

SAP Part Number

MR50314R000FDE66

MR5103K0000FCE66

SAP Description

MR503 14 1% 6000 E66 e3

MR510 3K 1% 4500 E66 e3

MODEL 5 digits	VALUE 6 digits	TOLERANCE 1 digit	TC 1 digit	PACKAGING 3 digits	SPECIAL Up to 2 digits
MR501	R = decimal	S = $\pm 0.005\%$	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-99 as applicable
MR502	K = thousand	T = $\pm 0.01\%$	B = 3900 (Q)		
MR503	M = million	Q = $\pm 0.02\%$	C = 4500 (M)		
MR504	R15000 = 0.15 ohm	P = $\pm 0.025\%$	D = 6000 (N)		
MR505	54R150 = 54.15 ohm	A = $\pm 0.05\%$	G = 5		
MR506	1K3250 = 1,325 ohm	B = $\pm 0.1\%$	J = 2		
MR507	1M0000 = 1 M ohm	C = $\pm 0.25\%$			
MR508		D = $\pm 0.5\%$			
MR509		F = $\pm 1.0\%$			
MR510		H = $\pm 3.0\%$			
MR511		J = $\pm 5.0\%$			
MR512					



VISHAY MILLS RESISTORS

MR530 SERIES

SAP Part Number

MR53033K0000JCE66

MR530811R000JAE66

SAP Description

MR5303 3K 5% 4500 E66 e3

MR5308 11 5% 10 E66 e3

MODEL	VALUE	TOLERANCE	TC	PACKAGING	SPECIAL
6 digits	6 digits	1 digit	1 digit	3 digits	1 digit
MR5301	R = decimal	S = $\pm 0.005\%$	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-9 as applicable
MR5302	K = thousand	T = $\pm 0.01\%$	B = 3900 (Q)		
MR5303	M = million	Q = $\pm 0.02\%$	C = 4500 (M)		
MR5304	R15000 = 0.15 ohm	P = $\pm 0.025\%$	D = 6000 (N)		
MR5305	54R150 = 54.15 ohm	A = $\pm 0.05\%$	G = 5		
MR5306	1K3250 = 1,325 ohm	B = $\pm 0.1\%$	J = 2		
MR5307	1M0000 = 1 M ohm	C = $\pm 0.25\%$			
MR5308		D = $\pm 0.5\%$			
MR5309		F = $\pm 1.0\%$			
MR5310		G = $\pm 2.0\%$			
MR5311		J = $\pm 5.0\%$			
MR5312					
MR5313					
MR5314					



VISHAY MILLS RESISTORS

MR600 SERIES

SAP Part Number

MR6014K2890CAE66

MR6122K0000TGE66

SAP Description

MR601 4.289K .25% 10 E66 e3

MR612 2K .01% 5 E66 e3

MODEL 5 digits	VALUE 6 digits	TOLERANCE 1 digit	TC 1 digit	PACKAGING 3 digits	SPECIAL Up to 2 digits
MR601	R = decimal	S = $\pm 0.005\%$	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-99 as applicable
MR602	K = thousand	T = $\pm 0.01\%$	B = 3900 (Q)		
MR603	M = million	Q = $\pm 0.02\%$	C = 4500 (M)		
MR604	R15000 = 0.15 ohm	P = $\pm 0.025\%$	D = 6000 (N)		
MR605	54R150 = 54.15 ohm	A = $\pm 0.05\%$	G = 5		
MR606	1K3250 = 1,325 ohm	B = $\pm 0.1\%$	J = 2		
MR607	1M0000 = 1 M ohm	C = $\pm 0.25\%$			
MR608		D = $\pm 0.5\%$			
MR609		F = $\pm 1.0\%$			
MR610		J = $\pm 5.0\%$			
MR611					
MR612					
MR613					
MR614					
MR615					
MR616					
MR617					



VISHAY MILLS RESISTORS

MR700 SERIES

SAP Part Number

MR70225K000BAE66

MR70643K200TAE66

SAP Description

MR702 25K .1% 10 E66 e3

MR706 43.2K .01% 10 E66 e3

MODEL 5 digits	VALUE 6 digits	TOLERANCE 1 digit	TC 1 digit	PACKAGING 3 digits	SPECIAL Up to 2 digits
MR701	R = decimal	S = $\pm 0.005\%$	A = Standard, 10 (W)	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1-99 as applicable
MR702	K = thousand	T = $\pm 0.01\%$	B = 3900 (Q)		
MR703	M = million	Q = $\pm 0.02\%$	C = 4500 (M)		
MR704	R15000 = 0.15 ohm	P = $\pm 0.025\%$	D = 6000 (N)		
MR705	54R150 = 54.15 ohm	A = $\pm 0.05\%$	G = 5		
MR706	1K3250 = 1,325 ohm	B = $\pm 0.1\%$	J = 2		
MR707	1M0000 = 1 M ohm	C = $\pm 0.25\%$			
		D = $\pm 0.5\%$			
		F = $\pm 1.0\%$			

VISHAY HUNTINGTON RESISTORS

MTL



SAP Part Number

MTL03R0100FE66

MTL055L000JE66

SAP Description

MTL03 .01 1% E66 e3

MTL05 .005 5% E66 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
MTL	1A 2B 2C 03 04 05 06 10	L = milliohm (below 0.01 ohm) R = decimal 5L000 = 0.005 ohm R1500 = 0.15 ohm	F = $\pm 1\%$ G = $\pm 2\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free bulk pack	Dash Numbers 1 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS

PC, PCA

SAP Part Number

PCA-151K200KE14

PC-252K400JE31

SAP Description

PCA-15 1.2K 10% E14 e3

PC-25 2.4K 5% E31 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 or 3 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
PC PCA	-03 -05 -07 -10 -15 -18 -20 -22 -25	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = $\pm 1\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E14 = Bulk pack E31 = Four layer bulk pack E51 = Custom pack, per TPI E66 = Bulk pack, Metal Oxide only	Dash Numbers 1 - 999 As Applicable NI = NON INDUCTIVE

VISHAY HUNTINGTON RESISTORS

PC QUICK CONNECT



SAP Part Number

PC-503R000KE66

PC-3015R00JE66

SAP Description

PC-50 3 10% E66

PC-30 15 5% E66

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
PC	-30 -40 -50	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E51 = Custom pack, per TPI E66 = Bulk pack	Dash Numbers 1 - 999 As Applicable BKT = Bracket

VISHAY HUNTINGTON RESISTORS

PCL



SAP Part Number

PCL-05R0150JE14

PCL-10R1000JE31

SAP Description

PCL-05 0.015 5% E14 e3

PCL-10 0.10 5% E31 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
PCL	-03 -05 -07 -10 -15	R = decimal R0150 = 0.015 ohm	B = $\pm 0.1\%$ F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E14 = Bulk pack E31 = Four layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1 - 999 As Applicable NI = NON INDUCTIVE

VISHAY HUNTINGTON RESISTORS



PCR

SAP Part Number

PCR-101K200KE10

PCR-07270R0JE10

SAP Description

PCR-10 1.2K 10% E10 e3

PCR-07 270 5% E10 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
PCR	-05 -07 -10 -15	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = $\pm 1\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E10 = Foam pack (7W and larger) E14 = Bulk pack (5W only) E31 = Four layer bulk pack (5W only) E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS



PCRC

SAP Part Number

PCRC02100R0JE32

PCRC1030R00KE32

SAP Description

PCRC02 100 5% E32 e3

PCRC10 30 10% E32 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
PCRC	02 03 05 07 10	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E01 = Skin pack E31 = Four layer bulk pack E32 = Two layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS

PCRL

SAP Part Number

PCRL05R0100JE32

PCRL10R0500KE32

SAP Description

PCRL05 0.01 5% E32 e3

PCRL10 0.05 10% E32 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
PCRL	02 03 05 07 10	R = decimal R0100 = 0.01 ohm	F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E01 = Skin pack E31 = Four layer bulk pack E32 = Two layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1 - 999 As Applicable



VISHAY HUNTINGTON RESISTORS

PCRM

SAP Part Number

PCRM0310K00JE32

PCRM0530K00KE32

SAP Description

PCRM03 10K 5% E32 e3

PCRM05 30K 10% E32 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
4 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
PCRM	03 05	R = decimal K = thousand 800R0 = 800 ohm 1K325 = 1,325 ohm	J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	STANDARD LEAD FREE PACKAGING CODES E01 = Skin pack E31 = Four layer bulk pack E32 = Two layer bulk pack E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1 - 999 As Applicable



VISHAY HUNTINGTON RESISTORS

RSS

SAP Part Number

RSS05100K0JE66

SAP Description

RSS05 100K 5% E66 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	2 digits	5 digits	1 digit	3 digits	Up to 3 digits
RSS	05	K = thousand 100K = 100,000 ohm	J = \pm 5%	STANDARD LEAD FREE PACKAGING CODES E66 = Lead free tape and reel pack E51 = Custom pack, per TPI	Dash Numbers 1 - 999 As Applicable



VISHAY HUNTINGTON RESISTORS

RESISTOR STANDARD

SAP Part Number

RESSTD2M0000E66

RESSTD1M4000E66

SAP Description

RESSTD 2M E66

RESSTD 1.4M E66

MODEL	VALUE	PACKAGING	SPECIAL
6 digits	6 digits	3 digits	Up to 3 digits
RESSTD	R = decimal K = thousand M = million 54R150 = 54.15 ohm 1K3250 = 1,325 ohm 1M4000 = 1,400,000 ohm	STANDARD LEAD FREE PACKAGING CODES E66 = Lead (Pb) – free bulk pack	Dash Numbers 1 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS

SM



SAP Part Number

SM-11R000FE6

SM-41K500JE6

SAP Description

SM-1 1 1% E6 e3

SM-4 1.5K 5% E6 e3

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
2 digits	2 digits	5 digits	1 digit	2 digits	Up to 3 digits
SM	-1 -2 -3 -4 -5	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	B = $\pm 0.1\%$ C = $\pm 0.25\%$ D = $\pm 0.5\%$ F = $\pm 1.0\%$ H = $\pm 3.0\%$ J = $\pm 5.0\%$	STANDARD LEAD FREE PACKAGING CODES E6 = Lead free tape and reel	NI = NON - INDUCTIVE Dash Numbers 1 - 999 As Applicable

VISHAY HUNTINGTON RESISTORS



TMC

SAP Part Number

TMC0251K000GE02

TMC25010K00KE01

SAP Description

TMC025 1K 2% E02 e4

TMC250 10K 10% E01

MODEL	SIZE	VALUE	TOLERANCE	PACKAGING	SPECIAL
3 digits	3 digits	5 digits	1 digit	3 digits	Up to 3 digits
TMC	005 010 025 050 100 250	R = decimal K = thousand R1500 = 0.15 ohm 54R15 = 54.15 ohm 1K325 = 1,325 ohm	F = $\pm 1\%$ G = $\pm 2\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$	STANDARD LEAD FREE PACKAGING CODES E01 = Skin pack E02 = Card pack (TMC005 thru TMC050 only) E51 = Custom pack, per TPI E66 = Special bulk pack	Dash Numbers 1 - 999 As Applicable NI = NON INDUCTIVE