

THIN FILM PART (USA) NUMBERING RULES.

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Vishay

Model CC1-

SAP Part Number

CC1-12500KKSSNHWS

CC1-5000AFCETGKWS

SAP Description

CC1 1.25K 10% 100ppm Std SnPb None H WS

CC1 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CC1- 20 x 40 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +-25 C = +-50 K = +-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CC2-

SAP Part Number

CC2-12500KKSSNHWS

CC2-5000AFCETGKWS

SAP Description

CC2 1.25K 10% 100ppm Std SnPb None H WS

CC2 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CC2- 30 x 30 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +-25 C = +-50 K = +-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CC3-

SAP Part Number

CC3-12500KKSSNHWS

CC3-5000AFCETGKWS

SAP Description

CC3 1.25K 10% 100ppm Std SnPb None H WS

CC3 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CC3- 50 x 50 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +-25 C = +-50 K = +-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CC4-

SAP Part Number

CC4-12500KKSSNHWS

CC4-5000AFCETGKWS

SAP Description

CC4 1.25K 10% 100ppm Std SnPb None H WS

CC4 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CC4- 50 x 100 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model CC5-

SAP Part Number

CC5-12500KKSSNHWS

CC5-5000AFCETGKWS

SAP Description

CC5 1.25K 10% 100ppm Std SnPb None H WS

CC5 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CC5- 100 x 100 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CC6-

SAP Part Number

CC6-12500KKSSNHWS

CC6-5000AFCETGKWS

SAP Description

CC6 1.25K 10% 100ppm Std SnPb None H WS

CC6 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CC6- 30 x 40 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model CC8-

SAP Part Number

CC8-12500KKSSNHWS

CC8-5000AFCETGKWS

SAP Description

CC8 1.25K 10% 100ppm Std SnPb None H WS

CC8 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	17
									2 DIGITS
									17
CC8- 20 x 20 size NiCr on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100	E = Edg S = Std U = Usr N = Nitride	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model CP1

SAP Part Number

CP150000KCKKNHWS

CP112500FBCJGKWS

SAP Description

CP1 5K 10% RT.25% 100ppm 10ppm None H WS

CP1 1.25K 1% RT.1% 50ppm 5ppm Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT		1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS 16
CP1 CC1 Chip pair	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0%	E = +25 C = +50 K = +- 100	G = +/-2 J = +/-5 K = +/-10	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CB1-

SAP Part Number

CB1-12500KKSSNHWS

CB1-5000AFCETGKWS

SAP Description

CB1- 1.25K 10% 100ppm Std SnPb None H WS

CB1- 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
CB1- 20 x 40 size NiCr on BeO	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +-25 C = +-50 K = +-100	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CB3-

SAP Part Number

CB3-12500KKSSNHWS

CB3-5000AFCETGKWS

SAP Description

CB3 1.25K 10% 100ppm Std SnPb None H WS

CB3 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
CB3- 50 x 50 size NiCr on BeO	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +-25 C = +-50 K = +-100	E = Edg S = Std U = U _{sr}	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model SFC

SAP Part Number

SFC12500KKSSNHWS

SFC5000AFCETGKWS

SAP Description

SFC 1.25K 10% 100ppm Std SnPb None H WS

SFC 500 1% 50ppm Edg e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
SFC 20 x 20 size Ta2N on Alumina	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	F = 1.0% G = 2.0% J = 5.0% K = 10%	C = +/-50 K = +/-100 M = +/-250	E = Edg S = Std U = Usr	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model SFM

SAP Part Number

SFM50000FKANHWS

SFM12500KCGGKWS

SAP Description

SFM 5K 1% 100ppm Al None H WS

SFM 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
SFM 20 x 20 size Ta2N on Silicon	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250 R = 0/-250 Y = +25/-100 V = +/-150 A = +100/-250 L = +/-200 N = +50/-100 P = 0/-350	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot S = Schlumberger (Special)	WS = Waffle pack 100 min, 1 mult WT = Waffle pack 10 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape CS = Danshui Customer DW = Danshui EFI

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Model SFP

SAP Part Number

SFP50000FKANHWS

SFP12500KCGGKWS

SAP Description

SFP 5K 1% 100ppm Al None H WS

SFP 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
SFP 22 x 22 size Ta2N on Silicon w/ part mark	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model SFN

SAP Part Number

SFN50000FKANHWS

SFN12500KCGGKWS

SAP Description

SFN 5K 1% 100ppm Al None H WS

SFN 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
SFN 20 x 20 size NiCr on Silicon	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = +/-10 E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model SFX

SAP Part Number

SFX10004FK5ANHWS

SFX25003KR4GGKWS

SAP Description

SFX 10M 1% 100ppm 55 Al None H WS

SFX 2.5M 10% 0/-250ppm 40 Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Size	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									15
SFX High value TaN on Silicon	First 4 digits are significant figures of resistance	2 = 100 3 = 1000 4 = 10000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250 W = +/-350 R = 0/-250 P = 0/-350 I = 0/-200	3 = 30 x 30 4 = 40 x 40 5 = 55 x 55	G = Au A = Al P = Al term + Silicon Nitride passivation	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot S = Special (Schlumberger) P = Part marked	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model SC3-

SAP Part Number

SC3-12500KKSGNHWS

SC3-5000AFCEANKWS

SAP Description

SC3 1.25K 10% 100ppm Std Au None H WS

SC3 500 1% 50ppm Edg Al None K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
SC3- 50 x 50 size NiCr on Silicon	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = ±25 C = ±50 K = ±100	E = Edg S = Std U = U _{sr}	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model QFM

SAP Part Number

QFM50000FKANHWS

QFM12500KCGGKWS

SAP Description

QFM 5K 1% 100ppm Al None H WS

QFM 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
QFM 20 x 20 size Ta2N on Quartz	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Gold A = Aluminum	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model QFN

SAP Part Number

QFN50000FKANHWS

QFN12500KCGGKWS

SAP Description

QFN 5K 1% 100ppm Al None H WS

QFN 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
QFN 20 x 20 size NiCr on Quartz	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Gold A = Aluminum	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model QFX

SAP Part Number
QFX10003FK4ANHWS

SAP Description
QFX 1M 1% 100ppm/C 40SQ AL PAD CLASS H WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Size	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
QFX High value TaN on Quartz	First 4 digits are significant figures of resistance	2 = 100 3 = 1000 4 = 10000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/- 25 C = +/-50 K = +/-100 M = +/-250 W = +/-350 I = 0/-200 R = 0/-250 P = 0/-350	3 = 30 x 30 4 = 40 x 40 5 = 55 x 55	G = Gold A = Aluminum	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model NFX

SAP Part Number

NFX10004FK5ANHWS

NFX25003KR4GGKWS

SAP Description

NFX 10M 1% 100ppm 55 Al None H WS

NFX 2.5M 10% 0/-250ppm 40 Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Size	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
NFX High value NiCr on Silicon	First 4 digits are significant figures of resistance	2 = 100 3 = 1000 4 = 10000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	C = +/-50 K = +/-100 M = +/-250 W = +/-350	3 = 30 x 30 4 = 40 x 40 5 = 55 x 55	G = Gold A = Aluminum	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model CFX

SAP Part Number

CFX10004FK5ANHWS

CFX25003KR4GGKWS

SAP Description

CFX 10M 1% 100ppm 55 Al None H WS

CFX 2.5M 10% 0/-250ppm 40 Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Size	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
CFX High value CrSi on Silicon	First 4 digits are significant figures of resistance	2 = 100 3 = 1000 4 = 10000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	C = +/-50 K = +/-100 M = +/-250 W = +/-350	3 = 30 x 30 4 = 40 x 40 5 = 55 x 55	G = Gold A = Aluminum	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model BCR

SAP Part Number

BCR50000FKAHWS

BCR12500KCGKWS

SAP Description

BCR 5K 1% 100ppm Al H WS

BCR 1.25K 10% 100 ppm Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
BCR 20 x 20 size Back Contact Resistor	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100 M = +/-250 R = 0/-250 Q = +50/-250	G = Gold A = Aluminum	H = Class H K = Class K G = Class H, one lot L = Class K, one lot S = Schlumberger (Special) C = Commercial	WS = Waffle pack 100 min, 1 mult WT = Waffle pack 10 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape CS = Danshui DW = Danshui EFI

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Model PWA

SAP Part Number

PWA50000FKANHWS

PWA12500KCGGKWS

SAP Description

PWA 5K 1% 100ppm Al None H WS

PWA 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
PWA 30 x 45 size Power Resistor	First 4 digits are significant figures of resistance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 V = +/- 150 L = +/-200 M = +/-250 Z = +600/-100	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult ST = Diced on tape FW = Full Wafer (3") HW = Half Wafer T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model PWB

SAP Part Number

PWB50000FKANHWS

PWB12500KCGGKWS

SAP Description

PWB 5K 1% 100ppm Al None H WS

PWB 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
PWB 70 x 70 size Power Resistor	First 4 digits are significant figures of resistance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10	D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	C = +/-50 K = +/-100 M = +/-250 Z = +600/-100	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model CTT

SAP Part Number

CTT50000KCKKGNHWS

CTT12500FBCJAGKWS

SAP Description

CTT 5K 10% RT.25% 100 10 Au None H WS

CTT 1.25K 1% RT.1% 50 5 Al Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTT	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model CTA

SAP Part Number

CTA50000KCKKGNHWS

CTA12500FBCJGGKWS

SAP Description

CTA 5K 10% RT.25% 100 10 Au None H WS

CTA 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTA	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model CTB

SAP Part Number

CTB50000KCKKGNHWS

CTB12500FBCJGGKWS

SAP Description

CTB 5K 10% RT.25% 100 10 Au None H WS

CTB 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTB	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model CCM

SAP Part Number

CCM50000KCKKGNHWS

CCM12500FBCJGGKWS

SAP Description

CCM 5K 10% RT.25% 100 10 Au None H WS

CCM 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CCM	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model CCC

SAP Part Number

CCC50000KCKKGNHWS

CCC12500FBCJGGKWS

SAP Description

CCC 5K 10% RT.25% 100 10 Au None H WS

CCC 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
										17
CCC 100 x 100 size Center Tapped Resistor NiCr on Alumina	First 4 digits are significant figures of resistance	A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on Tape

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Model CTR

SAP Part Number

CTR50000KCKKGNHWS

CTR12500FBCJGGKWS

SAP Description

CTR 5K 10% RT.25% 100 10 Au None H WS

CTR 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTR	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10% M = 20%	W = 0.01% V = 0.02% A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% N = No	E = +/-25 C = +/-50 K = +/-100 L = +/-200 M = +/-250 R = 0/-250 S = 0/-100 Z = +600/-100 U = +100/-150 T = +300/-100 D = +250/-100	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot S = Schlumberger (Special)	WS = Waffle pack 100 min, 1 mult WT = Waffle pack 10 min, 1 mult FW = Full Wafer HW = Half Wafer CS = Danshui Customer DW = Danshui EFI

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Model CTN

SAP Part Number

CTN50000KCKKGNHWS

CTN12500FBCJGGKWS

SAP Description

CTN 5K 10% RT.25% 100 10 Au None H WS

CTN 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTN	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% N = No	B = +/-10 E = +/-25 C = +/-50 K = +/-100 M = +/-250 Z = +600/-100	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer

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Model CTM

SAP Part Number

CTM50002KCKKGNHWS

CTM12502FBCJGGKWS

SAP Description

CTM 500K 10% RT.25% 100 10 Au None H WS

CTM 125K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTM	First 4 digits are significant figures of resistance	2 = 100 3 = 1000 4 = 10000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	C = 0.25% D = 0.5% F = 1.0% G = 2.0% N = No	C = +/-50 K = +/-100 R = 0/-250 P = 0/-350	J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult
40 x 40 size										
Center Tapped , High Value Resistor TaN on Silicon										

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Model CTQ

SAP Part Number

CTQ50000KCKKGNHWS

CTQ12500FBCJGGKWS

SAP Description

CTQ 5K 10% RT.25% 100 10 Au None H WS

CTQ 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CTQ	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250 Z = +600/-100	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult
30 x 30 size										17
Center Tapped Resistor TaN on Quartz										

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Model CC7

SAP Part Number

CC750000KCKKGNHWS

CC712500FBCJGGKWS

SAP Description

CC7 5K 10% RT.25% 100 10 Au None H WS

CC7 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CC7	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult
30 x 30 size										17
Center Tapped Resistor NiCr on Alumina										

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Model CCB

SAP Part Number

CCB50000KCKKGNHWS

CCB12500FBCJGGKWS

SAP Description

CCB 5K 10% RT.25% 100 10 Au None H WS

CCB 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
CCB	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model SC7

SAP Part Number

SC750000KCKKGNHWS

SC712500FBCJGGKWS

SAP Description

SC7 5K 10% RT.25% 100 10 Au None H WS

SC7 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
SC7	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model SCB

SAP Part Number

SCB50000KCKKGNHWS

SCB12500FBCJGGKWS

SAP Description

SCB 5K 10% RT.25% 100 10 Au None H WS

SCB 1.25K 1% RT.1% 50 5 Au Au K WS

Model	Resistance (R Total)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
SCB	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% U = User N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model STR

SAP Part Number

STR10031003KCKKSWs

STR10032003FFCJSWS

SAP Description

STR 100K/100K 10% RT.25% 100 10 Std WS

STR 100K/200K 1% RT1% 50 5 Std WS

Model	Resistor 1 Value	Resistor 1 Multiplier Code	Resistor 1 Value	Resistor 1 Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Special	Pack code
3 DIGITS	3 DIGITS	1 DIGIT	3 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
STR	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250 S = 0/-100 Z = +600/-100 V = +/-150	G = +/-2 J = +/-5 K = +/-10 N = No	S = Std	WS = Waffle pack 100 min, 1 mult
30 x 30 size										
Center Tapped Resistor										
TaN on Silicon										
R1 < R2										

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Model NTR

SAP Part Number

NTR10031003KCKKSWs

NTR10032003FFCJSWS

SAP Description

NTR 100K/100K 10% RT.25% 100 10 Std WS

NTR 100K/200K 1% RT1% 50 5 Std WS

Model	Resistor 1 Value	Resistor 1 Multiplier Code	Resistor 1 Value	Resistor 1 Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Special	Pack code
3 DIGITS	3 DIGITS	1 DIGIT	3 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
NTR 30 x 30 size Center Tapped Resistor Isolated Bottom pad TaN on Silicon R1 < R2	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250 S = 0/-100 Z = +600/-100	G = +/-2 J = +/-5 K = +/-10 N = No	S = Std	WS = Waffle pack 100 min, 1 mult

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Model DTR

SAP Part Number

DTR10031003KCKKSWs

DTR10032003FFCJSWS

SAP Description

DTR 100K/100K 10% RT.25% 100 10 Std WS

DTR 100K/200K 1% RT1% 50 5 Std WS

Model	Resistor 1 Value	Resistor 1 Multiplier Code	Resistor 1 Value	Resistor 1 Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Special	Pack code
3 DIGITS	3 DIGITS	1 DIGIT	3 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS 18
DTR 30 x 30 size Center Tapped Resistor Isolated Top pad TaN on Silicon R1 < R2	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% N = No	E = +/-25 C = +/-50 K = +/-100 M = +/-250 S = 0/-100 Z = +600/-100	G = +/-2 J = +/-5 K = +/-10 N = No	S = Std	WS = Waffle pack 100 min, 1 mult

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Model MIB

SAP Part Number
MIB5000AFKSGNHWS

SAP Description
MIB 500 1% 100ppm Std Au None H WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
MIB 10 x 20 size Microwave Resistor TaN on Alumina	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	K = +/-100 L = +/-200	M = Mic S = Std	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult CS = Danshui T0 = Tape & Reel 100min, 100mult T1 = Tape & Reel 1000min, 1000mult T3 = Tape & Reel 300min, 300mult T5 = Tape & Reel 500min, 500mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100min, 1mult

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Model MIC

SAP Part Number

MIC5000BKKMSNHWS

MIC5000AFCSTGKWS

SAP Description

MIC 50 10% 100ppm Mic SnPb None H WS

MIC 500 1% 50ppm Std e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
MIC	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10	F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100 L = +/-200 R = 0/-250	M = Mic S = Std	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult CS = Danshui T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model MIF

SAP Part Number

MIF5000BKKMSNHWS

MIF5000AFCSTGKWS

SAP Description

MIF 50 10% 100ppm Mic SnPb None H WS

MIF 500 1% 50ppm Std e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
MIF 16 x 20 size Microwave Resistor TaN on Alumina	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	K = +/-100 L = +/-200 R = 0/-250	M = Mic S = Std	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model MID

SAP Part Number

MID5000BKKMSNHWS

MID5000AFCSTGKWS

SAP Description

MID 50 10% 100ppm Mic SnPb None H WS

MID 500 1% 50ppm Std e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
MID 50 x 50 size Microwave Resistor TaN on Alumina	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100 L = +/-200	M = Mic S = Std	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult CS = Danshui

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Model SID

SAP Part Number

SID5000BKMGNHWS

SID5000AFCSAGKWS

SAP Description

SID 50 10% 100ppm Mic Au None H WS

SID 500 1% 50ppm Std Al Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
SID 50 x 50 size Microwave Resistor TaN on Silicon	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100 L = +/-200	M = Mic S = Std	G = Gold A = Al	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model MIG

SAP Part Number

MIG5000BKKMSNHWS

MIG5000AFCSTGKWS

SAP Description

MIG 50 10% 100ppm Mic SnPb None H WS

MIG 500 1% 50ppm Std e1 Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
MIG 100x100 size Microwave Resistor TaN on Alumina	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100 L = +/-200	M = Mic S = Std	G = Au S = SnPb A = Al T = Pb-Free (e1)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult

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Model TMR

SAP Part Number

TMR2400AKKNHWS

TMR2400AFCGKWS

SAP Description

TMR 240 10% 100ppm None H WS

TMR 240 1% 50ppm Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							14
TMR 20 x 60 size Tapped Microwave Resistor TaN on Alumina	First 4 digits are significant figures of resistance	A = 0.1	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100 L = +/-200	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model NMGR

SAP Part Number

NMGR45000BFCGHWS
NMGR61000AKKTHTS

SAP Description

NMGR 0402 50 1% 50ppm Au H WS
NMGR 0603 100 10% 100ppm e1 H TS

Model	Case Size	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Visual Class	Pack code
4 DIGITS	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								16
NMGR Non-magnetic resistor chip	4 = 0402 6 = 0603 8 = 0805 1 = 1206	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	E = +/-25 C = +/-50 K = +/-100	G = Au S = SnPb T = Pb-Free (e1)	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult TS = Tape & Reel 100 min 1 mult

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Model NCAA

SAP Part Number

NCAA4700CKMAHWS

NCAA1000BKNGKWS

SAP Description

NCA 4.7 pF 10% MOS Al H WS

NCA 10 pF 10% MNOS Au K WS

Model	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Dielectric	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
NCAA 20 x 20 size Capacitor	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	D = +/-0.5 pF H = 2.5% J = 5.0% K = 10% M = 20%	M = MOS N = MNOS	G = Au A = Al	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer

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Model NCBB

SAP Part Number

NCBB2200BKMAHWS

NCBB3300BKNGKWS

SAP Description

NCB 22 pF 10% MOS Al H WS

NCB 33 pF 10% MNOS Au K WS

Model	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Dielectric	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
NCBB 30 x 30 size Capacitor	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	H = 2.5% J = 5.0% K = 10% M = 20% D = ± 0.5 pF	M = MOS N = MNOS	G = Au A = Al	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Dice on Tape

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Model NCCC

SAP Part Number

NCCC5600BKMAHWS

NCCC1100AKNGKWS

SAP Description

NCC 56 pF 10% MOS Al H WS

NCC 110 pF 10% MNOS Au K WS

Model	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Dielectric	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
NCCC 40 x 40 size Capacitor	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	H = 2.5% J = 5.0% K = 10% M = 20% D = ± 0.5 pF	M = MOS N = MNOS	G = Au A = Al	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer

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Model NCDD

SAP Part Number

NCDD2200AKMAHWS

NCDD3300AKNGKWS

SAP Description

NCD 220 pF 10% MOS Al H WS

NCD 330 pF 10% MNOS Au K WS

Model	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Dielectric	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
NCDD 55 x 55 size Capacitor	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	H = 2.5% J = 5.0% K = 10% M = 20% D = ± 0.5 pF	M = MOS N = MNOS	G = Au A = Al	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer

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Model NCEE

SAP Part Number

NCEE4700AKMAHWS

NCEE10000KNGKWS

SAP Description

NCE 470 pF 10% MOS Al H WS

NCE 1K pF10% MNOS Au K WS

Model	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Dielectric	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
NCEE 60 x 60 size Capacitor	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	H = 2.5% J = 5.0% K = 10% M = 20% D = ± 0.5 pF	M = MOS N = MNOS	G = Au A = Al	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer

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Model CBA/CBB/CBC

SAP Part Number

CBA3750CMAHWS

CBB1500BLGKWS

SAP Description

CBA 3.75 pF 20% Al H WS

CBB 31 pF 25% Au K WS

Model	Type	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Termination	Visual Class	Pack code
2 DIGITS	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							13
CB Binary Capacitor	A = 19 x 30 B = 19 x 48 C = 44 x 44	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01	K = 10% M = 20% L = 25%	G = Au A = Al	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer

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Model CMN-

SAP Part Number

CMN-011-0012WS

SAP Description

Custom Cap CMN-011-0012 WS

Model	Variation	Dash	Style	Pack code
4 DIGITS	3 DIGITS	1 DIGIT	4 DIGIT	2 DIGITS 14
CMN- Custom Capacitor	XXX	-	XXXX	WS = Waffle pack 100 min, 1 mult ST = diced on tape 1min, 1 mult

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Model RCN-

SAP Part Number

RCN-011-0012WS

SAP Description

Custom Res/Cap RCN-011-0012 WS

Model	Variation	Dash	Style	Pack code
4 DIGITS	3 DIGITS	1 DIGIT	4 DIGIT	2 DIGITS 14
RCN- Custom Capacitor Resistor Network	XXX	-	XXXX	WS = Waffle pack 100 min, 1 mult ST = Diced on tape

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Model CLA/CLB/CLC

SAP Part Number

CLA0830000FFKANHWS
CLB0620002KNCGGKWS

SAP Description

CLA 8 Res 3K 1% 100ppm Al None H WS
CLB 6 Res 200K 10% 50ppm Au Au K WS

Model	Type	# Resistors	Resistance	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
CL Resistor Ta2N on Silicon	A = Isolated B = Bussed C = Chained	03 04 05 06 07 08 09 10 11 12	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% F = 1% N = None	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot S = Sculumberger (Special)	WS = Waffle pack 100 min, 1 mult

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Model MTR

SAP Part Number

MTR24001KAMANHWS

MTR24000JBKGNHWS

SAP Description

MTR 24K 10% Form A 250 ppm Al None H WS

MTR 2.4K 5% Form B 100 ppm Au None H WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	Format	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									16
MTR 30 x 30 size Multi Tapped Resistor Array Ta2N on Silicon	First 4 digits are significant figures of resistance	A = 0.1 0 = 1 1 = 10 2 = 100	J = 5.0% K = 10% M = 20% L = 25%	A = Form A B = Form B	K = +/-100 M = +/-250 R = 0/-250	G = Au A = Al	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot M = Class H + element eval	WS = Waffle pack 100 min, 1 mult CS = Danshui Customer DW = Danshui EFI

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Model MTT

SAP Part Number
MTT11002KMANHWS

SAP Description
MTT 110K 10% 250ppm Al None K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
MTT 38 x 38 size Multi Tapped Resistor Array Ta2N on Silicon	First 4 digits are significant figures of resistance	A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	C = +/-50 K = +/-100 M = +/-250 R = 0/-250	G = Gold A = Aluminum	G = Gold N = None	H = Class H K = Class K G = Class H, one lot L = Class K, one lot	WS = Waffle pack 100 min, 1 mult FW = Full Wafer

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Model CC4- Custom

SAP Part Number

CC4-00010001FWS

SAP Description

CC4- Custom 000 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
4 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
CC1- CC2- CC3- CC4- CC5- CC6- CC8- SC3- CB1- CB3-	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	A = 0.05% B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model CC1-, CC2-, CC3-, CC5-, CC6-, CC8-, SC3-, CB1-, CB3-Custom

SAP Part Number

CC1-00010001FWS
 CC2-00010001FWS
 CC3-00010001FWS
 CC5-00010001FWS
 CC6-00010001FWS
 CC8-00010001FWS
 SC3-00010001FWS
 CB1-00010001FWS
 CB3-00010001FWS

SAP Description

CC1- Custom 000 10K, 1% WS
 CC2- Custom 000 10K, 1% WS
 CC3- Custom 000 10K, 1% WS
 CC5- Custom 000 10K, 1% WS
 CC6- Custom 000 10K, 1% WS
 CC8- Custom 000 10K, 1% WS
 SC3- Custom 000 10K, 1% WS
 CB1- Custom 000 10K, 1% WS
 CB3- Custom 000 10K, 1% WS

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Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
4 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
CC1- CC2- CC3- CC5- CC6- CC8- SC3- CB1- CB3-	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	A = 0.05% B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult

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SFM Custom

SAP Part Number

SFM00010001FWS

SAP Description

SFM Custom 000 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
SFM	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000 4 = 10000	B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult FW = Full Wafer ST = Diced on Tape DW = Wafer for Danshui CS = Tray from Danshui

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Model CP1, SFC, SFP, SFN, SFX Custom

SAP Part Number

CP100010001FWS
 SFC00010001FWS
 SFP00010001FWS
 SFN00010001FWS
 SFX000X10002FWS

SAP Description

CP1 Custom 000 10K, 1% WS
 SFC Custom 000 10K, 1% WS
 SFP Custom 000 10K, 1% WS
 SFN Custom 000 10K, 1% WS
 SFX Custom 000 100K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
CP1 SFC SFP SFN SFX	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000 4 = 10000	B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult FW = Full Wafer

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Model QFM, QFN, QFX, NFX, BCR, PWA, PWB Custom

SAP Part Number

QFM00010001FWS

QFN00010001FWS

QFX00010001FWS

NFX00010001FWS

BCR00010001FWS

PWA00010001FWS

PWB00010001FWS

SAP Description

QFM Custom 000 10K, 1% WS

QFN Custom 000 10K, 1% WS

QFX Custom 000 10K, 1% WS

NFX Custom 000 10K, 1% WS

BCR Custom 000 10K, 1% WS

PWA Custom 000 10K, 1% WS

PWB Custom 000 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
QFM QFN QFX NFX BCR PWA PWB	XXX	First 4 digits are significant figures of resistance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000 4 = 10000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult ST- Diced on tape CS = Tray from Danshui FW = Full Wafer

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Model CTT, CTA, CTB, CCM, CCC, CC7,CCB Custom

SAP Part Number

CTT00010001FWS
 CTA00010001FWS
 CTB00010001FWS
 CCM00010001FWS
 CCC00010001FWS
 CC700010001FWS
 CCB00010001FWS

SAP Description

CTT Custom 000 10K, 1% WS
 CTA Custom 000 10K, 1% WS
 CTB Custom 000 10K, 1% WS
 CCM Custom 000 10K, 1% WS
 CCC Custom 000 10K, 1% WS
 CC7 Custom 000 10K, 1% WS
 CCB Custom 000 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
CTT CTA CTB CCM CC7 CCB	XXX	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult

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Model CTR Custom

SAP Part Number

CTR00010001FWS

SAP Description

CTR Custom 000 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS 15
CTR	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer CS = Tray from Danshui

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Model CTN, CTM, CTQ, RNA, SC7, SCB, STR, NTR, DTR, RTN Custom

SAP Part Number

CTN00010001FWS
 CTM00010001FWS
 CTQ00010001FWS
 RNA00010001FWS
 SC700010001FWS
 SCB00010001FWS
 STR00010001FWS
 NTR00010001FWS
 DTR00010001FWS
 RTN00010001FWS

SAP Description

CTN Custom 000 10K, 1% WS
 CTM Custom 000 10K, 1% WS
 CTQ Custom 000 10K, 1% WS
 RNA Custom 000 10K, 1% WS
 SC7 Custom 000 10K, 1% WS
 SCB Custom 000 10K, 1% WS
 STR Custom 000 10K, 1% WS
 NTR Custom 000 10K, 1% WS
 DTR Custom 000 10K, 1% WS
 RTN Custom 000 10K, 1% WS

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Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
CTN CTM CTQ RNA SC7 SCB STR NTR DTR RTN	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	WS = Waffle pack 100 min, 1 mult FW = Full Wafer

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Model MIB, MIC, MIF, MID, SID, MIG Custom

SAP Part Number

MIB00010001FWS

MIC00010001FWS

MIF00010001FWS

MID00010001FWS

SID00010001FWS

MIG00010001FWS

SAP Description

MIB Custom 000 10K, 1% WS

MIC Custom 000 10K, 1% WS

MIF Custom 000 10K, 1% WS

MID Custom 000 10K, 1% WS

SID Custom 000 10K, 1% WS

MIG Custom 000 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
MIB MIC MIF MID SID MIG	XXX	First 4 digits are significant figures of resistance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model NCAA, NCBB, NCCC, NCDD, NCEE Custom

SAP Part Number

NCAA0001000BJWS
 NCBB0005000BKWS
 NCCC0001000AKWS
 NCDD0003300AKWS
 NCEE0001000KWS

SAP Description

NCA Custom 000 10 pF, 5% WS
 NCB Custom 000 50 pF, 10% WS
 NCC Custom 000 100 pF, 10% WS
 NCD Custom 000 330 pF, 10% WS
 NCE Custom 000 1K pF, 10% WS

Model	Process Code	Capacitance	Capacitance Multiplier Code	Tolerance Code	Pack code
4 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
NCAA NCBB NCCC NCDD NCEE	XXX	First 4 digits are significant figures of capacitance	A = 0.1 0 = 1 1 = 10 2 = 100	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult

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Model CBA, CBB, CBC, CMC, CBD Custom

SAP Part Number

CBA1101500BKWS

CBB1105000BKWS

SAP Description

CBA Custom 110 15 pF, 10% WS

CBB Custom 110 50 pF, 10% WS

Model	Process Code	Capacitance	Capacitance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
CBA CBB CBC CMC CBD	XXX	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult FW = Full Wafer

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Model CLA/CLB/CLC Custom

SAP Part Number

CLA0065000BKWS

CLB0065000BKWS

CLC0065000BKWS

SAP Description

CL Custom A 006 50 ohm, 10% WS

CL Custom B 006 50 ohm, 10% WS

CL Custom C 006 50 ohm, 10% WS

Model	Type	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
2 DIGITS	1 DIGIT	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
						15
CL	A = Isolated B = Bussed C = Chained	XXX	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult

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Model MTR, MTT, TMR

SAP Part Number

MTR05180000KWS
MTT00020001JWS
TMR0002400AKWS

SAP Description

MTR Custom 051 8K, 10% WS
MTT Custom 000 20K, 5% WS
TMR Custom 000 240, 10% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
3 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
MTR MTT TMR	XXX	First 4 digits are significant figures of capacitance	C=0.001 B=0.01 A = 0.1 0 = 1 1 = 10 2 = 100	F = 1% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult CS = Tray from Danshui

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Model PSC

SAP Part Number
PSC4000CL4A5GNHWS

SAP Description
PSC 4Nh 25% 45x45x5 Au None H WS

Model	Inductance (nH)	Inductance Multiplier Code	Tolerance Code	Size	Substrate	Thickness (mil)	Termination	Special	Test Class	Pack code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
PSC	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% L = 25% M = 20%	4 = 45x45	A = Alumina S = Silicon Q = Quartz F = Ferrite	5 = 5 1 = 10 2 = 20	G = Au A = Al	G = Au N = None	H = Class H K = Class K Q tested No Test 100% test Sample test	W1 = Waffle Pack 1 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model RFLW

SAP Part Number
RFLW3N2000BMNT0

SAP Description
RFLW 30X30 NO PASS 20 Nh 20% T0

Model	Size	Passivation	Inductance (nH)	Inductance Multiplier Code	Tolerance Code	Special	Pack code
4 DIGITS	1 DIGIT	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
RFLW	3 = 30 x 30 5 = 50 x 50	S = Silicon Nitride N = None	First 4 digits are significant figures of inductance	C = 0.001 B = 0.01 A = 0.1	K = 10% M = 20% L = 25%	N = None	WS = WAFFLE 100 Min 1 Mult CS = Danshui T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model NET

SAP Part Number

NET0111342WS

SAP Description

Custom Res NET0111342 WS

Model	Variation	Style	Pack code
3 DIGITS	3 DIGITS	4 DIGIT	2 DIGITS 12
NET Custom Resistor Network	XXX	XXXX	WS = Waffle pack 100 min, 1 mult FW = Full Wafer ST = Diced on Tape

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Model SSUB

SAP Part Number

SSUB0036011W1

SAP Description

Custom SSUB0036011 W1

Model	Variation	Style	Pack code
4 DIGITS	3 DIGITS	4 DIGIT	2 DIGITS 13
SSUB Custom Patterned Silicon Substrate	XXX	XXXX	W1 = Waffle Pack 1 min, 1 mult FW = Full Wafer

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Model SLR

SAP Part Number
SLRC410001FFCGGW1

SAP Description
SLRC 4 RES 10K 1% RT1% 50ppm 2ppm Au W1

Model	Width (mil)	Number Resistors	Resistance	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	TC Track (ppm/C)	Termination	Pack code
3 DIGITS	1 DIGIT	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
										17
SLR Resistor Carrier NiCr on Alumina	C = 100 N = 150 M = 210	2 = 2 3 = 3 4 = 4 7 = 7 8 = 8	First 4 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	W = 0.01% V = 0.02% A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0%	B = +/-10 E = +/-25 C = +/-50 K = +/-100 M = +/-250	F = +/-1 G = +/-2 H = +/-3 J = +/-5 K = +/-10	G = Au S = SnPb A = Al T = Pb-Free (e1)	W1 = Waffle Pack 1 min, 1 mult WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model LSUB

SAP Part Number

LSUBNSWS

SAP Description

LSUB AlN Std WS

Model	Substrate	Surface	Pack code
4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS 17
LSUB Ceramic Submount for High Power LED	N = AlN A = Alumina (99.6%) T = Alumina (96%)	S = Standard O = Offset A = AuSn	PL = Plate SC = Scribed plate ST = Diced on tape WS = Waffle pack, 100 min, 1 mult

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Model INT

SAP Part Number
INT201234-01Q

SAP Description
Interconnect Custom 201234-01Q

Model	Internal P/N	Internal Rev	Variant
3 DIGITS	7 DIGITS	2 DIGITS	1 DIGIT
INT INTERCONNECT SUBSTRATE	XXXXXX-	XX	Q = Thru Hole V = Filled Via C = Conductor A = AlN B = BeO K = Zirconia N = Resistor Z = SLR

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Model MTLP

SAP Part Number

MTLP

SAP Description

0.030” mil wide transmission line with tuning pads

Model	Length	Surface finish	Packaging code
MTLP Microstrip transmission line with tuning pads	XXX 010 015 020 055 090 300	F = As-fired P = polished	WS = 100 mult, one min waffle pack T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model PSS

SAP Part Number

PSS205402-02N

SAP Description

Patterned Substrate Custom 205402-02N

Model	Internal P/N	Internal Rev	Variant
3 DIGITS	7 DIGITS	2 DIGITS	1 DIGIT
PSS PATTERNED SUBSTRATE	XXXXXX-	XX	A = AlN B = BeO C = Conductor F = Special N = Res Net Y = Solder Bump P = Chip

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Model SPF2

SAP Part Number

SPF208053-00C

SAP Description

Specialty Films Custom 105687-000

Model	Customr P/N	Internal Rev	Variant
4 DIGITS	5 DIGITs	2 DIGITS	1 DIGIT
SPF2 SPECIALTY FILM	XXXXX-	XX	A = AlN B = BeO C = Conductor F = Ferrite/Garnet K = Zirconia

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Model EWR

SAP Part Number

EWR1524
EWR3520A

SAP Description

Custom Interconnect EWR1524
Custom Interconnect EWR3520A

Model	Customer P/N
3 DIGITS	4 or 5 DIGITS
EWR CUSTOM INTERCONNET SUBSTRATE	XXXXX

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Model EWR

SAP Part Number

EWR1524-00N

EWR4256-00Q

SAP Description

Custom Interconnect EWR1524-00N

Custom Interconnect EWR4256-00Q

Model	Customer P/N	Internal Rev	Variant
3 DIGITS	5 DIGITS	2 DIGITS	1 DIGIT
EWR CUSTOM INTERCONNET SUBSTRATE	XXXX-	XX	A = AlN B = BeO C = Conductor 0 = Coating F = Ferrite/Garnet N = Resistor Q = Thru Hole

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Model TF

SAP Part Number

TF1235

SAP Description

Custom TF metalized substrate TF1235

Model	CUSTOM P/N
2 DIGITS	4 DIGIT
TF METALIZED SUBSTRATE	XXXX

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Model RFD

SAP Part Number

RFD207892-00Q

SAP Description

RFD Custom RFD207892-00Q

Model	Customr P/N	Internal Rev	Variant
3 DIGITS	7 DIGITS	2 DIGITS	1 DIGIT
RFD RF DESIGN CUSTOM	XXXXXX-	XX	A = AlN B = BeO C = Conductor F = Ferrite/Garnet N = Res Net Q = Thru Hole V = Filled Via Y = Solder Bump

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Model PIZ

SAP Part Number

PIZ2255

SAP Description

Prototypes Custom PIZ2255

Model	Custom P/N
3 DIGITS	4 or 5 DIGITS
PIZ PROTOTYPE SUBSTRATE	XXXXX

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Model RFCS – **Part is Obsolete**

SAP Part Number
RFCS04021000BJGTS

SAP Description
RFCS 10 pF, 5%, 0402, Gold, TS

Model	Size	Capacitance	Capacitance Multiplier Code	Tolerance Code	Termination	Pack code
4 DIGITS	4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
						17
RFCS High frequency capacitor – surface mount	0402	First 4 digits are significant figures of resistance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100	G = 2.0% J = 5.0% K = 10% B = +/- 0.1 pF M = 20% L = 25%	G = Gold	W1 = Waffle Pack 1 min, 1 mult WS = Waffle pack 100 min, 1 mult T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult FW = Full Wafer

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Model EHPC - **Product is Obsolete**

SAP Part Number
EHPC0402A100FWXT5
EHPC0402A4R7FWXT5
EHPC0402A101FWXT5
SAP Description
EHPC 0402 10pF 1% NoPb 25V T5
EHPC 0402 4.7pF 1% NoPb 25V T5
EHPC 0402 100pF 1% NoPb 25V T5

Model	Size	Type	Capacitance	Tolerance Code	Termination	Voltage	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	3 DIGITS	1 DIGIT	1 DIGIT	1 Digit	2 DIGITS
EHPC High frequency capacitor – surface mount	0402	A	First 2 digits are significant figures of capacitance	F = 1% G = 2.0% J = 5.0% K = 10%	X = Tin/Lead W = Lead free terminations	1 = 6V Z = 10V Y = 16V X = 25V M = 50V L = 100 V	T0 = 10,000 pcs tape & reel T5 = 5,000 pcs tape & reel T1 = 1,000 pcs tape & reel T5 = 5000 min, 1 mult

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Model MSFM

SAP Part Number

MSFM50000FKANHWS

MSFM12500KCGGKWS

SAP Description

MSFM 5K 1% 100ppm Al None H WS

MSFM 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
MSFM 15 x 15 size Ta2N on Silicon	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Au A = Al	G = Au N = None	H = Class H K = Class K C = Commerical	WS = Waffle pack 100 min, 1 mult ST = Diced on tape DW = Wafer for Danshui CS = Tray from Danshui

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Model TSFM

SAP Part Number

TSFM50000FKGNHWS

TSFM12500KCGGKWS

SAP Description

TSFM 5K 1% 100ppm Au None H WS

TSFM 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
TSFM 20 x 20 size Ta2N on Silicon	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Au	G = Au N = None	H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult

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Model TCTR

SAP Part Number

TCTR50000FKGNHWS

TCTR12500KCGGKWS

SAP Description

TCTR 5K 1% 100ppm Au None H WS

TCTR 1.25K 10% 100 ppm Au Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Termination	Back Metal	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
TCTR 15 x 15 size Ta2N on Silicon	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10%	E = +/-25 C = +/-50 K = +/-100 M = +/-250	G = Au	G = Au N = None	H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult

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Model NCAT/NCBT/NCCT/NCDT/NCET

SAP Part Number

NCAT4700CKMAHWS

NCDT3300AKNGKWS

Vishay EFI Miscellaneous /Charges

SAP Description

NCAT 4.7 pF 10% MOS Al H WS

NCDT 330 pF 10% MNOS Au K WS

Model	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Dielectric	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
NCAT NCBT NCCT NCDT NCET	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	D = +/-0.5 pF H = 2.5% J = 5.0% K = 10% M = 20%	M = MOS N = MNOS	G = Au A = Al	H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult

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Model NCAT, NCBT, NCCT, NCDT, NCET Custom

SAP Part Number

NCAT0001000BJWS

NCBT0005000BKWS

NCCT0001000AKWS

NCDT0003300AKWS

NCET00010000KWS

SAP Description

NCAT Custom 000 10 pF, 5% WS

NCBT Custom 000 50 pF, 10% WS

NCCT Custom 000 100 pF, 10% WS

NCDT Custom 000 330 pF, 10% WS

NCET Custom 000 1K pF, 10% WS

Model	Process Code	Capacitance	Capacitance Multiplier Code	Tolerance Code	Pack code
4 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS
					15
NCAT NCBT NCCT NCDT NCET	XXX	First 4 digits are significant figures of capacitance	D = 0.0001 C = 0.001 B = 0.01 A = 0.1 0 = 1	D = +/-0.5 pF H = 2.5% J = 5.0% K = 10% M = 20%	WS = Waffle pack 100 min, 1 mult

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Model HVRD – **Product is Obsolete**

SAP Part Number

HVRD10048201BBCFT1

HVRD10048201BBCWT1

SAP Description

HVRD 1M 8.2K 0.1%, 0.1% ratio, 50 ppm, Flip chip, T1

HVRD 1M 8.2K 0.1%, 0.1% ratio, 50 ppm, Wrap, T1

Model	Resistor 1 Value	Resistor 1 Multiplier Code	Resistor 1 Value	Resistor 1 Multiplier Code	Tolerance Code	Ratio Tolerance	TCR (ppm/C)	Terminal	Pack code
4 DIGITS	3 DIGITS	1 DIGIT	3 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
HVRD High Voltage resistor divider R1 < R2	First 3 digits are significant figures of resistance	3 = 1000 4 = 10000	First 3 digits are significant figures of resistance	B = 0.01 A = 0.1 0 = 1 1 = 10	B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	B = 0.1% D = 0.5% F = 1.0% G = 2.0% N = No	C = +/-50 K = +/-100	F = Flip chip W = Wrap	T5 = 5,000 pcs tape & reel T1 = 1,000 pcs tape & reel WS = waffle pack

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Model SDWP

SAP Part Number

SDWP207892-00Q

SAP Description

SDWP Custom SDWP207892-00Q

Model	Customr P/N	Internal Rev	Variant
4 DIGITS	7 DIGITS	2 DIGITS	1 DIGIT
SDWP SIDE WALL PATTERN	XXXXXX-	XX	A = AlN B = BeO C = Conductor F = Ferrite/Garnet Q = Thru Hole

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Model BRCP

SAP Part Number

BRCPA1000BKGCST

BRCPB2500BJGCWS

SAP Description

BRCP 3mm 10pf 10% Au C ST

BRCP 6mm 25pf 5% Au C WS

Model	Size	Capacitance (pF)	Capacitance Multiplier Code	Tolerance Code	Termination	Visual Class	Pack code
4 DIGITS	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
							15
BRCP Bar Capacitor	A = 3mm x 1 mm B = 6mm x 1 mm	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01 A = 0.1	J = 5% K = 10% M = 20% L = 25%	G = Au A = Al	C = Commercial E = Electrical test only H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult FW = Full Wafer HW = Half Wafer ST = Diced on tape

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Model BRCP

SAP Part Number

BRCPAKIT01

BRCPBKIT02

SAP Description

BRCPA Design kit 01

BRCPB Design kit 02

SAP Part Number

SAP Description

Model	Size	Kit	Type
4 DIGITS	1 DIGIT	3 DIGIT	2 DIGIT
BRCP Bar Capacitor	A = 3mm x 1 mm B = 6mm x 1 mm	KIT	XX

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Model IGBR

SAP Part Number
IGBRB3000CJOPCST

SAP Description
IGBR 1MM 3 OHM, 5%, 300 PPM, PD, COM, TAPE

Model	Size	Resistance (ohms)	Resistance Multiplier Code	Tolerance Code	TCR	Backside Termination	Visual Class	Pack code
4 DIGITS	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
IGBR Gate Resistor	A = 20 x 20 B = 40 x 40 C = 60 x 60 D = 80 x 80	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01 A = 0.1	F = 1% J = 5% K = 10% M = 20% L = 25%	A = +/-1000 J = +/-500 W = +/-350 O = +/-300 M = +/-250	P = TiW/Pd/Au N = TiW/Ni/Au T = TiW/Au/Ni/Au	C = Commercial E = Electrical test only H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult CS = Danshui FW = Full Wafer (3") ST = Diced on tape T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult DW = Danshui

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Model EFISFM

SAP Part Number

EFISFM26610003F

SAP Description

SFM Danshui, 3", 1M, 1%

Model	MPS	Resistance (ohms)	Resistance Multiplier Code	Tolerance
6 DIGITS	3 DIGITS	4 DIGITS		1 DIGIT
EFISFM SFM from Danshui	266 = 3" 267 = 5"	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	F = 1%

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Model SPF1

SAP Part Number

SPF1AA02021A11BX

SAP Description

SPF1 Al₂O₃ As-Fired 20 mils x 20 mils 10 mils Thick NiCr 25 Ω /sq Front: TiW / Au (50 μ " min.) Back: TiW / Au (50 μ " min.) BX

Model	Material	Finish	Plate Size X (mils)	Plate Size Y (mils)	Thickness (mils)	Resistor	Metal Front	Metal Back	Pack code
4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS	2 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
SPF1 Specialty Films 1	A = Al ₂ O ₃ B = BeO N = AlN	A = As-Fired L = Lapped P = Polished	02 = 20 05 = 50 10 = 100 20 = 200 50 = 500 11 = 1000 21 = 2000 45 = 4500	02 = 20 05 = 50 10 = 100 20 = 200 50 = 500 11 = 1000 21 = 2000 45 = 4500	1 = 10 2 = 15 3 = 20 4 = 25 5 = 50	A = NiCr 25 B = NiCr 50 C = NiCr 100 D = NiCr 200 1 = TaN 25 2 = TaN 50 3 = TaN 75	1 = TiW/Au 50 2 = TiW/Au 100 3 = TiW/Au/Ni/Au 50 4 = TiW/Au/Ni/Au 100 5 = TiW/Pd/Au 50 6 = TiW/Pd/Au 100 7 = Cr/Cu/Au 8 = Cr/Cu/Ni/Au	1 = TiW/Au 50 2 = TiW/Au 100 3 = TiW/Au/Ni/Au 50 4 = TiW/Au/Ni/Au 100 5 = TiW/Pd/Au 50 6 = TiW/Pd/Au 100 7 = Cr/Cu/Au 8 = Cr/Cu/Ni/Au	WS = Waffle pack 1 min, 1 mult BX = Box 1 min, 1 mult

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Model UMIB -- OBSOLETE

SAP Part Number

UMIB5000BKK,SNHWS

UMIB5000AFCSTGKWS

SAP Description

UMIB 50 10% 100ppm Mic SnPb None H WS

UMIB 500 1% 50ppm Std el Au K WS

Model	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Back Metal	Visual Class	Pack Code
3 DIGITS	4 DIGITS	1 DIGIT	1 DIGITS	1 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
MIB 14 x 10 size Microwave Resistor TaN on Alumina	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1	F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20%	K = +/- 100 L = +/- 200	M = Mic S = Std	G = Au S = SnPb A = Al T = Pb-Free (el)	G = Au N = None	H = Class H K = Class K G = Class H, one lot L = Class L, one lot	WS = Waffle pack 1 min, 1 mult

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Model HFWP

SAP Part Number

HFWPAB5000AFKMNHWS

HFWPNC5000AJCSPKWS

SAP Description

HFWP 0402 Alumina 500 1% 100ppm Microwave Trim Ni/Au H WS

HFWP 0603 AlN 500 5% 50ppm Standard Trim Pd/Au K WS

Model	Substrate	Case Size	Resistance	Resistance Multiplier Code	Tolerance Code	TCR (ppm/C)	Trim Style	Termination	Visual Class	Pack code
4 DIGITS	1 DIGIT	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
										18
HFWP Half Wrap Resistor TaN	A = Alumina N = AlN B = BeO	A = 0201 B = 0402 C = 0603 D = 0805 E = 1005 F = 1206	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10%	E = +/- 25 C = +/- 50 K = +/- 100 V = +/- 150 M = +/- 250	M = Microwave S = Standard	N = Ni/Au P = Pd/Au	H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult

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Model IGBA

SAP Part Number
IGBAC3000CJOPCST

SAP Description
IGBA 60 x 60 3 OHM, 5%, 300 PPM, PD, COM, TAPE

Model	Size	Resistance (ohms)	Resistance Multiplier Code	Tolerance Code	TCR	Backside Termination	Visual Class	Pack code
4 DIGITS	1 DIGIT	4 DIGITS	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
								15
IGBA Gate Resistor (Automotive)	A = 20 x 20 B = 40 x 40 C = 60 x 60 D = 80 x 80	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01 A = 0.1	F = 1% J = 5% K = 10% M = 20% L = 25%	A = +/- 1000 J = +/- 500 W = +/- 350 O = +/- 300 M = +/- 250	P = TiW/Pd/Au N = TiW/Ni/Au T = TiW/Au/Ni/Au	C = Commercial E = Electrical test only H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult FW = Full Wafer (3") ST = Diced on tape T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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Model BCTR

SAP Part Number
BCTR1000AFFKNAHWS

SAP Description
BCTR 100OHM, 1%, 1%, 100PPM, NO TRACK, AL, CLASS H, WAFFLE

Model	Resistance (ohms)	Resistance Multiplier Code	Tolerance Code	Ratio Tolerance Code	TCR	TC Track	Termination	Visual Class	Pack code
4 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	1 Digit	1 DIGIT	1 DIGIT	1 DIGIT	1 DIGIT	2 DIGITS
									17
BCTR Back Contact Voltage divider Resistor	First 4 digits are significant figures of capacitance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000	A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% H = 2.5% J = 5.0% K = 10% M = 20%	W = 0.01% V = 0.02% A = 0.05% B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0% N = No	E = +/-25 C = +/-50 K = +/-100 V = +/- 150 L = +/-200 M = +/-250 R = 0/-250 S = 0/-100 Z = +600/-100 U = +100/-150 T = +300/-100 D = +250/-100	G = +/-2 J = +/-5 K = +/-10 N = No	G = Au A = Al	H = Class H K = Class K	WS = Waffle pack 100 min, 1 mult FW = Full Wafer (3") ST = Diced on tape T0 = Tape & Reel 100 min, 100 mult T1 = Tape & Reel 1000 min, 1000 mult T3 = Tape & Reel 300 min, 300 mult T5 = Tape & Reel 500 min, 500 mult TF = Tape & Reel Full Reel 3000 TS = Tape & Reel 100 min, 1 mult

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MSFM Custom

SAP Part Number

MSFM30010001FWS

SAP Description

MSFM Custom 300 10K, 1% WS

Model	Process Code	Resistance	Resistance Multiplier Code	Tolerance Code	Pack code
4 DIGITS	3 DIGITS	4 DIGITS	1 DIGIT	1 DIGIT	2 DIGITS 15
MSFM	XXX	First 4 digits are significant figures of resistance	C = 0.001 B = 0.01 A = 0.1 0 = 1 1 = 10 2 = 100 3 = 1000 4 = 10000	B = 0.1% D = 0.5% F = 1.0% G = 2.0% J = 5.0% K = 10% M = 20% L = 25%	WS = Waffle pack 100 min, 1 mult FW = Full Wafer ST = Diced on Tape DW = Wafer for Danshui CS = Tray from Danshui

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Model VEFI Sample Kits

SAP Part Number

VEFIHIPWKIT
VEFIRFHFKIT
VEFIIGBRKIT
VEFISMSZKIT
VEFISTRKIT

SAP Description

High Power Sample Kit
RF/High Frequency Sample Kit
IGBR Sample Kit
Small Size Sample Kit
Starter Sample Kit

SAP Part Number

SAP Description

Model	Size	Kit
4 DIGITS	4 DIGITs	3 DIGIT
VEFI	HIPW – High Power RFHF – RF-High Frequency IGBR – IGBR SMSZ – Small Size STRT - Starter	KIT

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LOT CHARGE	DESCRIPTION			
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7 DIGITS	8 to 10 DIGITS			
LOTCHG -	VEFINREH	=	CHARGE FOR VEFI NRE HYBRID (NS01S)	
	VEFINRES	=	CHARGE FOR VEFI NRE SUBSTRATE (NS01C)	
	VEFITESTH	=	CHARGE FOR VEFI TEST HYBRID (NS02S)	
	VEFITESTS	=	CHARGE FOR VEFI TEST SUBSTRATE (NS02C)	
	VEFISAMPH	=	CHARGE FOR VEFI TEST SAMPLES (NS03S)	
	VEFISAMPS	=	CHARGE FOR VEFI TEST SAMPLES (NS03C)	
	VEFIDATAH	=	CHARGE FOR VEFI DATA (NS04S)	
	VEFIDATAS	=	CHARGE FOR VEFI DATA (NS04C)	
	VEFICANH	=	CHARGE FOR VEFI CANCELLATION (NS06S)	
	VEFICANS	=	CHARGE FOR VEFI CANCELLATION (NS06C)	
	VEFISORH	=	CHARGE FOR VEFI SOURCE INSPECTION (NS08S)	
	VEFISORS	=	CHARGE FOR VEFI SOURCE INSPECTION (NS08C)	
	VEFIINCH	=	CHARGE FOR VEFI INTERCOMPANY (NS09S)	
	VEFIINCS	=	CHARGE FOR VEFI INTERCOMPANY (NS09C)	
	VEFIMISCH	=	CHARGE FOR VEFI INTERCOMPANY (NS05S)	
	VEFIMISCs	=	CHARGE FOR VEFI INTERCOMPANY (NS05C)	
	VEFIFAIRH	=	CHARGE FOR VEFI NRE HYBRID (NS10S)	
	VEFIFAIRS	=	CHARGE FOR VEFI NRE SUBSTRATE (NS10C)	
	VEFITH150	=	\$150.00 CHARGE FOR VEFI TEST HYBRID	
	VEFITH400	=	\$400.00 CHARGE FOR VEFI TEST HYBRID	
	VEFITH125	=	VEFI TEST HYBRID 125	
	VEFITH250	=	VEFI TEST HYBRID 250	
	VEFITS125	=	VEFI TEST SUBST 125	
	VEFITS150	=	VEFI TEST SUBST 150	
	VEFITS250	=	VEFI TEST SUBST 250	
	VEFITNRES	=	VEFI NRE SUBST TESTING	
	VEFIFAH500	=	VEFI FIRST ARTICLE HYBRID 500	
	VEFIFAH1000	=	VEFI FIRST ARTICLE HYBRID 1000	
	VEFIFAH2000	=	VEFI FIRST ARTICLE HYBRID 2000	
	VEFIFAS500	=	VEFI FIRST ARTICLE SUBSTRATE 500	
	VEFIFAS1000	=	VEFI FIRST ARTICLE SUBSTRATE 1000	
	VEFIFAS2000	=	VEFI FIRST ARTICLE SUBSTRATE 2000	
	VEFIMH	=	VEFI MISC CHIP SALES	
	VEFIRETST	=	VEFI RETURNED FOR TEST	
	VEFIRTESTH	=	VEFI RETURNED FOR TEST – CLASS H	
VEFIRTESTK	=	VEFI RETURNED FOR TEST – CLASS K		
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