

Ordering MIL-spec resistors and capacitors-

Prior to ordering any MIL equivalent parts please check whether MIL qualification is required. RCD warrants much of its product line to meet applicable MIL specifications but this does not imply qualification.

MIL-R-11 RC07GF252K (RCD CC series) Resistor Composition

RC07 Styles RC05-RC42	GF "G" = 70°C Max ambient temp for full load operation. "F" = temp. coefficient which varies with resistance from ±625ppm to ±3100	252 Resistance, first two digits are significant, 3rd digit is number of zeros. 252 = 2500 ohms	K Tolerance J = ± 5% K = ± 10% M = ± 20%
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MIL-PRF-22684 RL07S103J (RCD GP series) Resistor, General Purpose, Color-Banded, Axial Lead

RL07 Styles RL07-RL42	S Terminal (Lead) S = Solderable	103 Resistance, first two digits are significant, 3rd digit is number of zeros. 103 = 10,000 ohms	J Tolerance G = ± 2% J = ± 5%
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MIL-R-10509 RN55D1002F (RCD MF and PMF series) Resistor, Metal Film, High Stability, Axial Lead

RN55 Styles RN50 - RN80	D Temperature Coefficient C = 50 ppm D = -500 to +200 ppm E = 25 ppm	1002 Resistance, first three digits are significant, 4th digit is number of zeros. 1002 = 10,000 ohms	F Tolerance B = ± 0.1% C = ± 0.25% D = ± 0.5% F = ± 1%
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MIL-PRF-26 RW74U49R9F (RCD 100 series) Resistor, Power Wirewound, Axial Lead

RW74 Styles RW10 - RW81 Fixed Wirewound Resistor Power Type	U Max "hot spot" derating temp, U = 275°C V = 350°C N = 350°C (Non-Inductive)	49R9 Resistance, 3 to 4 digits Last digit is number of zeros, unless an R precedes it. Letter R is decimal point.	F Tolerance B = 0.1% D = 0.5% F = 1% (Tolerance code is only used on Char. U resistors. Tolerance on Char. V is ± 5% on values 1Ω or above, ± 10% below 1Ω.)
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MIL-PRF-18546 RE60G1650F (RCD 600 series) Resistor, Power Wirewound, Chassis Mounted

RE60 Styles RE60 - RE80	G Inductance characteristics G = inductive N = non-inductive	1650 Resistance, first 3 digits are significant, 4th digit is number of zeros. 1650 = 165 ohms	F Tolerance (Always 1%)
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MIL-R-93 RB52CE1270ID (RCD SA, PC series) Resistor, Power Wirewound

RB52 Styles RB08 - RB73	C Terminal C = solderable W = weldable	E Temperature Coefficient 90ppm, below 1Ω 50ppm, 1 to 9.9Ω 20ppm, 10Ω & up	1270I Resistance, first 4 digits are significant, last digit is number of zeros. Below 1000 ohms use letter R as decimal point. 200R0 = 200ohms	F Tolerance A = ± .05% B = ± 0.1% D = ± 0.5% F = ± 1.0%
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MIL-PRF-55365 CWR BC225JBB (RCD TS series) Tantalum Chip Capacitors

CWR06 Styles CWR03 - CWR29	B Voltage A=2V B=3V C=4V D=6V E=8V F=10V G=12V H=15V J=20V K=25V L=30V M=35V N=50V	C Termination B = Gold C = Hot solder dip H = Solder Plated K = Solder Fused	225 Capacitance (pF), first 2 digits are significant, 3rd digit is number of zeros.	J Tolerance J = 5% K = 10% M = 20%	B Failure Rate A = Non-ER B = 0.1% C = .01% D = .001%	B Surge Current Option
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MIL-PRF-914 M914C01H1002FAS (RCD SMN, SMTF series) Surface Mount Networks

M914	C Termination C = Gold F = Tin/Lead J = Hot solder dip	01 Package size	H Characteristic R = 25ppm C = 50ppm, hermetic H = 50ppm, non-hermetic K = 100ppm M = 300ppm	1002 Resistance, 3 significant, digits followed by a number of zeros. "R" is decimal point	F Tolerance B = 0.1% D = 0.5% F = 1% G = 2% J = 5%	A Schematic	S Failure Rate C = Non-ER M = 1% P = 0.1% R = .01% S = .001%
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MIL-PRF-55681 CDR01 BX 100AKSM (RCD CE series) Ceramic Chip Capacitors

CDR01 Styles CDR01 - CDR35	BX Dielectric BP = 30ppm BX = 15ppm	100 Capacitor (pF) first two digits are significant, 3rd digit is number of zeros. "R" is decimal point	A Voltage A=50V B=100V C=200V D=300V E=500V K=150V F=1kV G=2kV H=3kV J=4kV	K Tolerance B = 0.1pf G = 2% C = .25pf J = 5% D = .5pf K = 10% F = 1% M = 20%	S Termination M = Palladium Silver Y = Tin plated Nickel	M Failure Rate C = Non-ER M = 1% P = .1% R = .01% S = .001%
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MIL-PRF-83401 M834010IH1002JA (RCD C, CL, RC, DDN series) Resistor & Resistor Capacitor Networks

M83401 M = Burn-in C = Non-Burn-in	01 Package size	H Characteristic Y = 5ppm, hermetic C = 50ppm, hermetic H = 50ppm, non-hermetic K = 100ppm, non-hermetic M = 300ppm, non-hermetic R = 25ppm, non-hermetic	1002 Resistance, 3 significant, digits followed by a number of zeros. "R" is decimal point	J Tolerance V = .005% D = 0.5% T = .01% F = 1% A = .05% G = 2% B = 0.1% J = 5%	A Schematic
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MIL-R-39008 RC07G153JS (RCD CC series with option 37) Resistor, Composition

RCR07 Styles RCR05 - RCR42	G "G" = 70°C Max ambient temp. for full load operation and TC of ±625ppm to ±1900ppm/°C	153 Resistance, first 2 digits are significant, 3rd digit is number of zeros. 153 = 15,000 ohms	J Tolerance J = 5% K = 10%	S Failure Rates M = 1.0% P = 0.1% R = .01% S = .001%
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MIL-R-39017 RL071502GR (RCD MF series) Resistor, General Purpose, Alpha-numeric marking

RLR07 Styles RLR05 - RLR62	C Terminal "C" = solderable/weldable	1502 Resistance, first 3 digits are significant, 4th digit is number of zeros. 1502 = 15,000Ω	G Tolerance F = 1.0% G = 2.0% J = 5% K = 10%	R Failure Rate C = Non-ER M = 1.0% P = 0.1% R = .01% S = .001%
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MIL-PRF-55182 RNR60H1003FS (RCD MF, PMF, HM series) Resistor, Precision film

RNR60 RNR = Solderable leads RNR = Solderable/weldable RNN = Weldable Styles RNR50 - RNC90	H C = 50ppm, hermetic sealed H = 50ppm, non-hermetic E = 25ppm, hermetic sealed J = 25ppm, non-hermetic K = 100ppm, non-hermetic	1003 Resistance, first 3 digits are significant, 4th digit is number of zeros. 1003 = 100,000Ω	F Tolerance B = 0.1% D = 0.5% F = ± 1%	S Failure Rate C = Non-ER M = 1.0% P = 0.1% R = .01% S = .001% T = Space level
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MIL-PRF-39007 RWR74S49R9FR (RCD 100 series) Resistor, Power Wirewound, Axial Lead

RWR74 Styles RWR71 - RWR82	S Terminal S = solderable W = weldable Z = weldable, non inductive N = solderable, non inductive	49R9 Resistance, first 3 digits are significant, 4th digit is number of zeros. For values below 100 ohms use R as decimal pt. 49R9 = 49.9 ohms	F Tolerance B = 0.1% D = 0.5% F = ± 1%	R Failure Rate C = Non-ER M = 1.0% P = 0.1% R = .01% S = .001% T = Space level
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MIL-R-39009 RER60F1650R (RCD 600 series) Resistor, Power Wirewound, Chassis Mounted

RER60 Styles RER40 - RER75	F Tolerance (Always 1%)	1650 Resistance, first 3 digits are significant, 4th digit is number of zeros. For values below 100 ohms use R decimal point. 49R9 = 49.9 ohms	R Failure Rate C = Non-ER M = 1.0%/1000hours P = 0.1%/1000hours R = .01%/1000 hours S = .001%/1000 hours
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MIL-PRF-39005 RBR52L12601FR (RCD SA, PC series) Resistor, Wirewound, Precision

RBR52 Styles RBR52 - RBR81	L Terminal L = solderable U = weldable	12601 Resistance, first 4 digits are significant, 5th digit is number of zeros. For resistance less than 1000 ohms use letter R as decimal point	F Tolerance T = .01% Q = .02% A = .05% B = 0.1% F = ± 1%	R Failure Rate C = Non-ER M = 1.0% P = 0.1% R = .01% S = .001%
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MIL-PRF-55342 M55342H01BIE00M (RCD BLU & MCT series) Resistor, Chip

M55342	H Characteristic E = 25ppm H = 50ppm K = 100ppm M = 300ppm	01 Style RM0302 - RM2512	B Termination Material B= Solder coated, nickel barrier, wraparound G= Gold wraparound C= Palladium silver, wraparound D= Palladium silver, Single sided	IE00 Resistor Value and Tolerance Code	M Failure Rate C = Non-ER M = 1% P = 0.1% R = .01%
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MIL-PRF-49465 M4946501TR0100F(RCD LOR & ULV series are similar) Resistor, Low Ohmic, Metal Element

M4946501T Styles RLV10 - RLV31	R0100 Resistance	F Tolerance F = 1% H = 3% J = 5%
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MIL-PRF-49462 M4946201AA100KF (RCD RG, RH, RP series) Resistor, High Voltage, Film

M4946201AA Styles RHV30 - RHV35	100K Resistance, first 3 significant digits followed by multipliers(K=Kohm, M=Megohm, G=Gigohm)	F Tolerance F = 1% G = 2% J = 5%
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MIL-PRF-29 MFC504 (RCD SR & T series) Resistor, High Voltage Wirewound or Film, Ferrule Terminal

MFC Styles MFA - MFF	504 Resistance, first two digits are significant, 3rd digit is number of zeros. (±0.5%)
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