

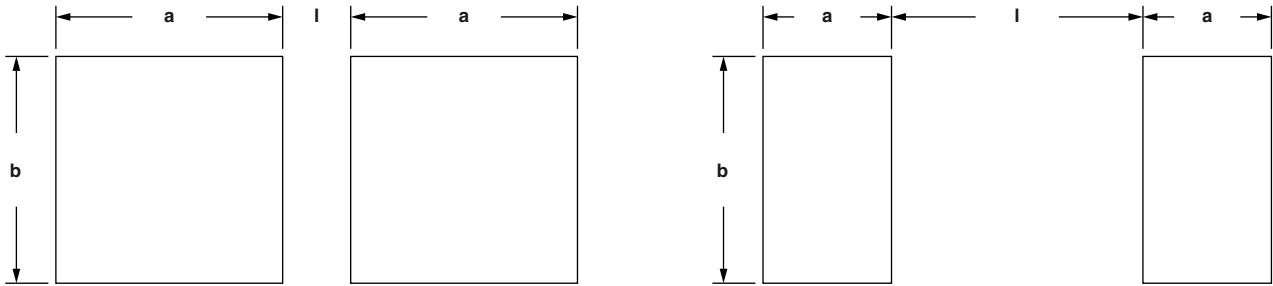


**THE DATASHEET OF
RCP0603B10R0GEA**



PERFORMANCE		
TEST	CONDITIONS OF TEST	TEST RESULTS (TYPICAL TEST LOTS)
Resistance to soldering heat	2 cycles; > 183 °C for 90 s to 120 s	≤ ± 0.20 %
Resistance temperature characteristic	-55 °C to +125 °C	≤ ± 120 ppm
Low temperature operation	-65 °C at rated voltage	≤ ± 0.02 %
Short time overload	RCP0505	3.1 W applied for 5 s
	RCP0603	4.4 W applied for 5 s
	RCP1206	4.7 W applied for 5 s
	RCP2512	7.7 W applied for 5 s
High temperature exposure	+150 °C for 100 h	≤ ± 0.10 %
Moisture resistance	240 h at ≥ 80 % RH	≤ ± 0.15 %
Life	1000 h at +70 °C	≤ ± 0.10 %
Solderability	J-STD-202, test B	95 % coverage
Solder mounting integrity	Per MIL-PRF-55342:	
	RCP0505	1 kg force applied
	RCP0603	2 kg force applied
	RCP1206	2 kg force applied
	RCP2512	3 kg force applied
		No evidence of mechanical damage

DIMENSIONS in inches (millimeters)					
		WIDE BOTTOM TERMINAL (W)		TRADITIONAL TERMINAL (B)	
GLOBAL MODEL	A (LENGTH)	B (WIDTH)	C (HEIGHT)	D (TOP TERM)	E (BOTTOM TERM)
RCP0505W	0.055 ± 0.005 (1.40 ± 0.13)	0.050 ± 0.005 (1.27 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.010 ± 0.005 (0.25 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)
RCP0505B	0.055 ± 0.005 (1.40 ± 0.13)	0.050 ± 0.005 (1.27 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.010 ± 0.005 (0.25 ± 0.13)	0.015 ± 0.005 (0.38 ± 0.13)
RCP0603W	0.063 ± 0.005 (1.60 ± 0.13)	0.032 ± 0.005 (0.81 ± 0.13)	0.018 ± 0.005 (0.46 ± 0.13)	0.012 ± 0.005 (0.30 ± 0.13)	0.023 ± 0.005 (0.58 ± 0.13)
RCP0603B	0.063 ± 0.005 (1.60 ± 0.13)	0.032 ± 0.005 (0.81 ± 0.13)	0.018 ± 0.005 (0.46 ± 0.13)	0.012 ± 0.005 (0.30 ± 0.13)	0.015 ± 0.005 (0.38 ± 0.13)
RCP1206W	0.122 ± 0.005 (3.10 ± 0.13)	0.060 ± 0.005 (1.52 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.015 ± 0.005 (0.38 ± 0.13)	0.048 ± 0.005 (1.22 ± 0.13)
RCP1206B	0.122 ± 0.005 (3.10 ± 0.13)	0.060 ± 0.005 (1.52 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.015 ± 0.005 (0.38 ± 0.13)	0.015 ± 0.005 (0.38 ± 0.13)
RCP2512W	0.250 ± 0.005 (6.35 ± 0.13)	0.124 ± 0.005 (3.15 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.113 ± 0.005 (2.87 ± 0.13)
RCP2512B	0.250 ± 0.005 (6.35 ± 0.13)	0.124 ± 0.005 (3.15 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)	0.020 ± 0.005 (0.51 ± 0.13)

RECOMMENDED SOLDER PAD DIMENSIONS in inches (millimeters)

WIDE BOTTOM TERMINAL (W)
TRADITIONAL TERMINAL (B)

GLOBAL MODEL	a (LENGTH)	b (WIDTH)	l (SPACING)
RCP0505W	0.040 (1.02)	0.055 (1.40)	0.015 (0.38)
RCP0505B	0.035 (0.89)	0.055 (1.40)	0.025 (0.64)
RCP0603W	0.043 (1.09)	0.037 (0.94)	0.018 (0.46)
RCP0603B	0.035 (0.89)	0.037 (0.94)	0.033 (0.84)
RCP1206W	0.068 (1.73)	0.066 (1.68)	0.018 (0.46)
RCP1206B	0.037 (0.94)	0.066 (1.68)	0.081 (2.06)
RCP2512W	0.133 (3.38)	0.129 (3.28)	0.024 (0.61)
RCP2512B	0.040 (1.02)	0.129 (3.28)	0.210 (5.33)



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