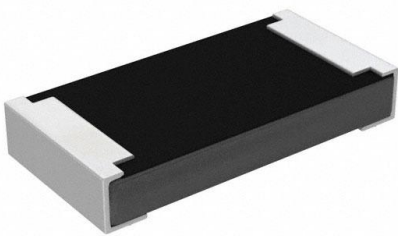


RCP1206B39R0GS2 Datasheet

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DiGi Electronics Part Number	RCP1206B39R0GS2-DG
Manufacturer	Vishay Dale
Manufacturer Product Number	RCP1206B39R0GS2
Description	RES SMD 39 OHM 2% 2.4W 1206
Detailed Description	39 Ohms \pm 2% 2.4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thick Film

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Manufacturer Product Number:

RCP1206B39R0GS2

Series:

RCP

Resistance:

39 Ohms

Power (Watts):

2.4W

Features:

Moisture Resistant

Operating Temperature:

-65°C ~ 155°C

Supplier Device Package:

1206

Height - Seated (Max):

0.025" (0.64mm)

Failure Rate:

-

Manufacturer:

Vishay Dale

Product Status:

Active

Tolerance:

±2%

Composition:

Thick Film

Temperature Coefficient:

±150ppm/°C

Package / Case:

1206 (3216 Metric)

Size / Dimension:

0.122" L x 0.060" W (3.10mm x 1.52mm)

Number of Terminations:

2

Environmental & Export classification

RoHS Status:

RoHS non-compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8533.21.0030



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	≤ ± 0.10 %
	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:		No evidence of mechanical damage
	RCP0505	1 kg force applied	
	RCP0603	2 kg force applied	
	RCP1206	2 kg force applied	
	RCP2512	3 kg force applied	

DIMENSIONS in inches (millimeters)					
<p>The diagram illustrates the dimensions of the resistor terminals. Dimension A is the length, B is the width, C is the height, D is the top terminal width, and E is the bottom terminal width. The wide bottom terminal (W) has a wider bottom terminal (E) compared to the traditional terminal (B).</p>					
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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