

Thick Film Chip Network Resistor

Features

- Miniature, high-weight
- High reliability due to glass protective film.
- Superior resistance to soldering heat from nickel barrier layer.

How to Order

RCM	LO8W	103	J	T
↑	↑	↑	↑	↑
A	B	C	D	E

A		B		C	
Product Code		Size		Resistance Value	
RCM		Code	Size	5%,2% -expressed in 3 digits First two figures are significant digit, third figure expresses number of zeros which follow the two significant digit 1% - expressed in 4 digits First 3 figures are significant digit, fourth figure expresses number of zeros which follow the three significant digit If there is a decimal place it is represented by a "R". In this scenario all figures are significant digit Jumper is expressed by 000	
		LO8W	0603		
		CO8W	1206		

E		D	
Packaging Style		Tolerance	
Code	Style	Code	Tolerance
T	Tape & Reel	F	±1%
B	Bulk Case	G	±2%
		J	±5%
		O	Chip Jumper

Rated Power

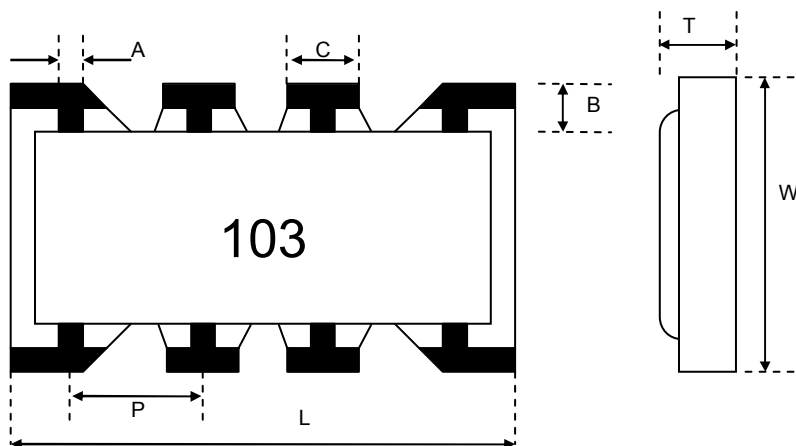
Item	RCM LO8W	RCMC08W
Rated power	1/16W	1/8W
Max. Operating Voltage	50V	200V
Max. Over Load Voltage	100V	400V
Resistance Tolerance	±1%(F)±2%(G)±5%(J)	
Resistance Range	E-24,E-96 Series	
Jumper Rated Current	1A	2A
Jumper Resistance Value	50mΩ Max	
Operating Temperature Range	-55°C ~+125°C	
Temperature Coefficient	±250ppm/°C/±100ppm/°C/	
Rated temperature	+70°C	

Characteristics

Item	Specifications	Test Methods (JIS c 5202)
Temperature Cycling	+(1.0%+0.05Ω)	-55°C ~±125°C for 5 cycles
Short Time Over Load	+(2%+0.1Ω)	Rated Voltage x2.5 for 5 seconds
Resistance To Soldering Heat	+(1.0%+0.05Ω)	260°C ±5°C for 10 seconds
Moisture Load Life	+(3%+0.1Ω)	1000Hrs at RcwV 1.5 Hrs ON 0.5Hrs ON,Off
Load Life	+(3%+0.1Ω)	70°C±2 °C,1000Hrs at RCWV 1.5Hrs ON,0.5Hrs OFF
Solderability	95% Coverage	235°C ±5°C for 3 seconds
Bending Strength	+(1.0%+0.05Ω)	Bending Distance : 3mm (10 seconds)

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Circuit Configuration



Dimension

Type	L	W	T	A	B	P	C
RCML08W	3.2±0.10	1.6±0.15	0.5±0.10	0.5±0.15	0.3±0.15	0.8±0.1	0.3±0.15
RCMC08W	5.08±0.30	3.2±0.20	0.6±0.10	0.9±0.15	0.5±0.2	1.27±0.1	0.5±0.15

Packaging Quantity

(Pcs/Reel)Tape & Reel	(Pcs/Reel)Bulk	
RCML08W	RCML08W	RCMC08W
5000pcs per reel	1000pcs per plastic bag	