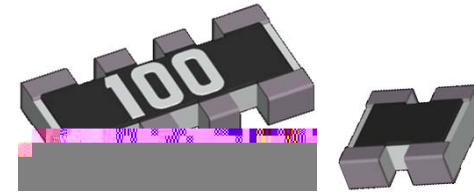


Convex Type Chip Array Resistors (RP)

Features

- Reducing SMD surface area (40% reduced)
- Reducing SMD cost (75% reduced)
- Applicable both flow and reflow soldering
- RoHS Compliant.



Part Number System

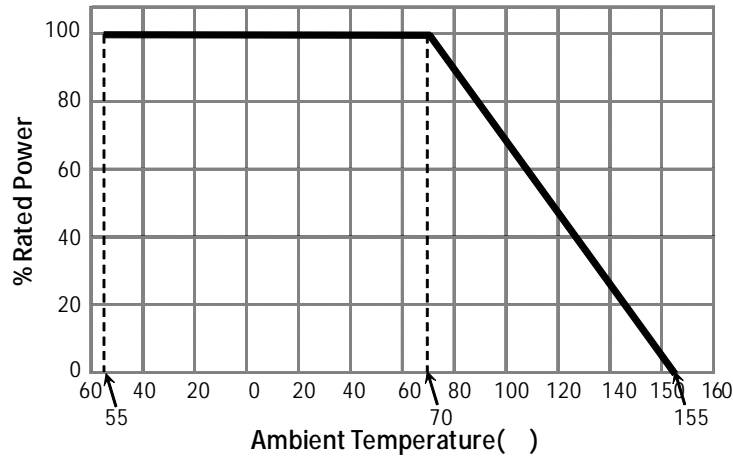
RP	
Type	
RP	Convex Type

4P	
# of Resistors	
2P	2 pieces
4P	4 pieces

CS	
Packing Type	
CS	7" reel
	10

'000'

Power Derating Curve



Jumper Ratings

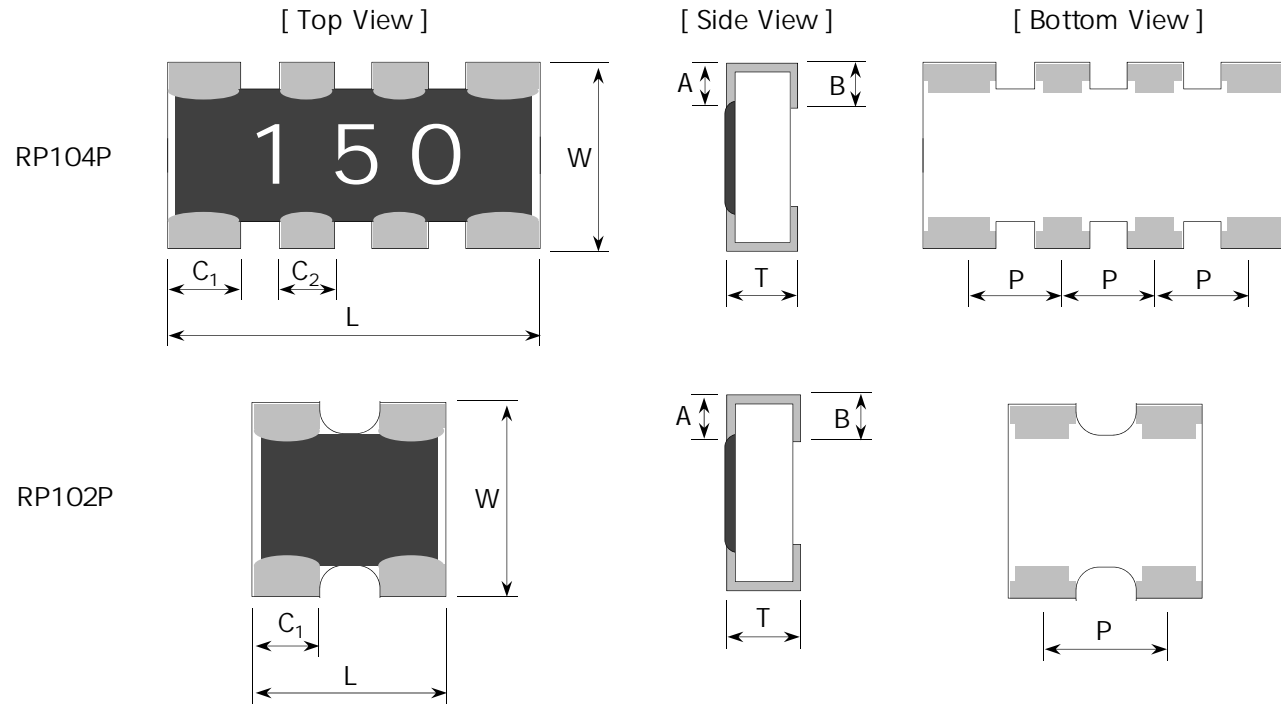
TYPE	Rated Current (A)	Max Overload Current (A)
102P, 104P	1	2
164P	1	2

Rated Voltage

$$V = \sqrt{P \times R}$$

V : Rated Voltage (V)
 P : Rated Power (W)
 R : Resistance Value ()

Structure and Dimensions



[Unit : mm]

Size(mil)	L	W	T	A	B	C ₁	C ₂	P	Unit Weight
RP102P(0404)	1.00±0.10	1.00±0.10	0.35±0.10	0.20±0.10	0.25±0.10	0.33±0.10	0.33±0.10	0.65±0.10	1.1mg
RP104P(0804)	2.00±0.10	1.00±0.10	0.35±0.10	0.20±0.10	0.25±0.10	0.40±0.10	0.30±0.10	0.50±0.15	2.2mg
RP164P(1206)	3.20±0.10	1.60±0.10	0.50±0.10	0.30±0.15	0.30±0.15	0.60±0.15	0.40±0.15	0.80±0.15	8.9mg

Performance Characteristics

ITEM	Requirements Specification		Test Conditions (JIS C 5201-1)
	Resistors	Jumpers	
Resistance	Within the specified tolerance	Max 50m	JIS C 5201-1 4.5
Temperature Characteristic	Within the specified T.C.R	Max 50m	JIS C 5201-1 4.8 +20 -55 / +20 +125
Short time Overload	$R < \pm 1\% + 0.1$	Max 50m	JIS C 5201-1 4.13 Rated Voltage $\times 2.5$, 5sec
Solderability	Immersed over 95%		JIS C 5201-1 4.17 Rosin Ethanol (25%WT) 245 \pm 5/-0 , 2 \pm 0.5 sec
Resistance to Solder Heat	$R < \pm 1\% + 0.1$	Max 50m	JIS C 5201-1 4.18 260 \pm 5 , 10 \pm 1 sec
Temperature Cycle	$R < \pm 1\% + 0.1$	Max 50m	JIS C 5201-1 4.19 -55 +125 , 100 cycle
Moisture Resistance	$R < \pm 3\% + 0.1$	Max 50m	JIS C 5201-1 4.24 40 \pm 2 , 90~95%RH, 1000 $^{+48}$ hours
Load Life	$R < \pm 3\% + 0.1$	Max 50m	JIS C 5201-1 4.25 Rated Voltage, 70 \pm 2 , 1000 $^{+48}$ hours 90mins ON, 30mins OFF
High Temp. Exposure	$R < \pm 3\% + 0.1$	Max 50m	JIS C 5201-1 4.25.3 155 \pm 2 , 1000 $^{+48}$ hours

The reliability test condition can be replaced by the corresponding accelerated test condition.



Product specifications included in the specifications are effective as of March 01, 2015.

Please be advised that they are standard product specifications for reference only.

We may change, modify or discontinue the product specifications without notice at any time.

So, you need to approve the product specifications before placing an order.

Should you have any question regarding the product specifications,

please contact our sales personnel or application engineers.
