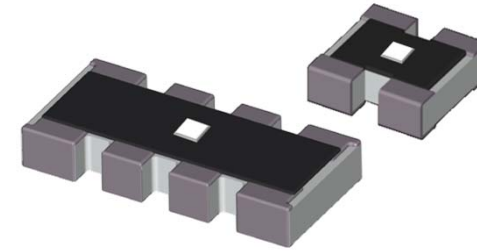


Anti-Sulfur Array Resistors (Convex type : RPS Series)

Features

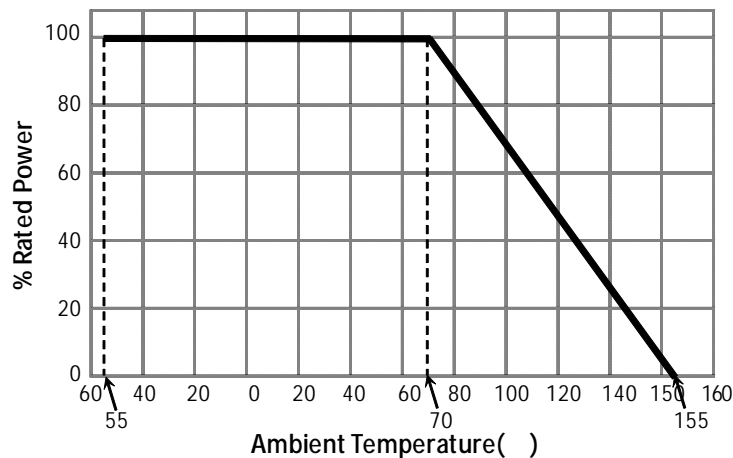
- ASTM B-809-95 Passed.
- Reducing SMD cost (75% reduced)
- Stable resistance in the H₂S gas Atmosphere.
- RoHS Compliant.



Part Number System

RPS		10		4P		J		100		CS	
Type		Size		# of Resistors		Tolerance		Resistance Value		Packing Type	
RPS	Anti-Sulfur Convex Type Array Resistor	10	1005	2P	2 pieces	J	±5%	3-digit coding (E-24 series)		CS	7" reel
		16	1608	4P	4 pieces	* Jumper : 'J'		* Jumper : '000'		ES	10" reel
										AS	13" reel

Power Derating Curve



Jumper Ratings

TYPE	Rated Current (A)	Max Overload Current (A)
102P, 104P	1	2
162P, 164P	1	2

Rated Voltage

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

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

Structure and Dimensions



s (RPS)

teristics

Standard Sol Pad Dimensions

Size(mil)	A	B	C	D	E	P
RPS102P(0404)	0.4	-	0.25	0.5	0.5	0.65
RPS104P(0804)	0.5	0.3	0.2	0.5	0.5	0.5
RPS164P(1206)	0.7	0.5	0.3	0.9	0.8	0.8

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
Flower of Sulfur (FOS)	$R < \pm 1\% + 0.1$	Max 50m	105 , Dry sulfur 50g, 750 $^{+48}$ 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.
