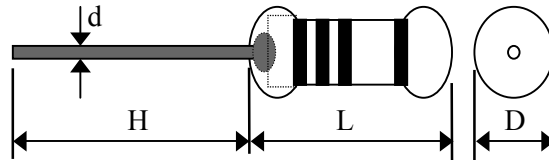




General Resistors

Metal Oxide Resistors - RSS, RSN Series / 氧化皮膜电阻器

RSS and RSN Series have a resistance element formed by the oxidation reaction of a vapor or spray of tin chloride solution on the heated surface of a glass or ceramic rod. The resulting tin-oxide film is adjusted to value by cutting a helix path through the film. It can sustain high temperatures and electrical overloads, and supports moderate-to-precision attributes. Types include high power and flameproof axial through hole and surface-mounted devices.



► Metal Oxide Resistor General Specifications

Type		L	D	H	d ± 0.05	MAX Working Voltage		Dielectric Withstanding Voltage	
RSS	RSN					RSS	RSN	RSS	RSN
1/2W	1/4W	6.0 ± 0.3	2.3 ± 0.3	26 ± 1	0.40~0.50	200V	300V	400V	500V
1W	1/2W	9.0 ± 0.5	3.0 ± 0.5	26 ± 1	0.50~0.55	250V	350V	500V	600V
2W	1W	11 ± 1.0	4.0 ± 0.5	26 ± 3	0.75~0.80	300V	350V	600V	700V
3W	2W	15 ± 1.0	5.0 ± 0.5	35 ± 3	0.75~0.80	350V	350V	700V	700V
5W	3W	17 ± 1.0	6.0 ± 0.5	35 ± 3	0.75~0.80	350V	500V	700V	1000V
6W	5W	24 ± 1.0	8.0 ± 0.5	38 ± 3	0.75~0.80	500V	700V	800V	1000V
7W	6W	24 ± 1.0	8.0 ± 0.5	38 ± 3	0.75~0.80	500V	700V	800V	1000V
10W	7W	41 ± 1.0	8.0 ± 0.5	38 ± 3	0.75~0.80	750V	850V	850V	1000V
	10W	53 ± 1.0	8.0 ± 0.5	38 ± 3	0.75~0.80	750V	850V	850V	1000V

► Metal Oxide Resistor Electrical Performance

Requirements	Characteristics	Test Method	
		JIS C 5202	MIL-R-22684B
Operating Temp.Range	-55°C~200°C		
Temp.Coefficient (ppm C)	± 300	5.2	4.6.11
Max. Resistance Changes	Short Time Overload	± (1%+0.05Ω)	5.2A
	Effect of Soldering	± (1%+0.05Ω)	6.4 350°C 2Sec
	Temp.Cycling	± (1%+0.05Ω)	7.4-55°C / 85°C
	Moisture Resistance	± 5%	7.9 1,000hr
	Load Life	± 5%	7.10 1,000hr
Dielectric Withstanding Voltage	± (0.5%+0.05Ω)	5.7A	4.6.7
Non-Combustibility	The resistor shall withstand Overload test in accordance with Article UL492.2 13 without producing a fire hazard.		
Resistance to Solvents	No damage on the appearance,co.or bands.		

► How to Order



- ① Product type
- ② Rated Power
- ③ Resistance Value (Ω)
- ④ Resistance Tolerance
- ⑤ Packaging