

High Voltage Resistors

Type RSS Series

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Miniature Power Oxide Resistors offer excellent performance in applications where stability and uniformity of characteristics are required. They provide smaller size for PC board application with high performance and precision to replace some wire-wound resistors and other high power resistors. Miniature metal oxide resistors withstand solvents test in accordance with MIL-STD-202E without producing mechanical or electrical damage.

Key Features

- High Power with Small Size for Space Saving
- Excellent Long Term Stability
- Complete Flameproof Construction
- High Surge/Overload Capability
- Controlled Temperature Capability
- Solvent Resistant Coat and Code
- Special Lead Formations Possible

Characteristics - Electrical

	RSS-1/2W	RSS-1W	RSS-2W	RSS-3W	RSS-5W	RSS-7W
Power Rating at 70°C:	1/2W	1W	2W	3W	5W	7W
Maximum Working Voltage:	250V	350V	350V	350V	500V	750V
Maximum Overload Voltage:	600V	600V	600V	800V	1000V	400V
Resistance Range*:	10R-33K	10R-50K	10R-50K	10R-56K	10R-100K	10R-200K

* Wider Values to Order

Short Time Overload:	2.5 times rated voltage for 5 seconds
Temperature Range:	-55°C to +155°C
Temperature Coefficient:	±300 ppm

Power Derating Curve



Dimensions



Style	D-mm	L-mm	l-mm	D-mm
RSS-1/2W	2.6±0.5	6.8±1.0	30±3	0.60±0.05
RSS-1W	3.5±0.5	9.0±1.0	30±3	0.65±0.05
RSS-2W	4.5±0.5	11.0±1.0	30±3	0.80±0.05
RSS-3W	5.0±0.5	15.0±1.0	30±3	0.80±0.05
RSS-5W	8.5±0.5	24.0±1.0	38±3	0.80±0.05
RSS-7W	8.5±0.5	41.0±1.0	38±3	0.80±0.05

How to Order

RSS	2W	100R	J	TB
Common Part	Wattage at 70°C	Resistance Value	Tolerance	Packaging
RSS - Standard Part	See Above Table	100 ohm (100 ohms) 100R 1K0 ohm (1000 ohms) 1K0 100K ohm (100,000 ohms) 100K	J - 5%	TB - Ammo packed box TR - Tape and Reel