

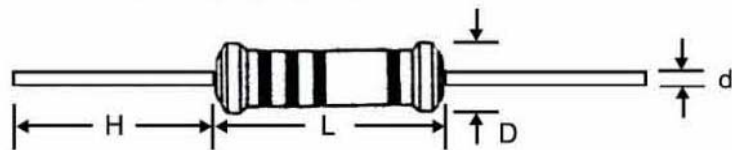
HIGH VOLTAGE METAL GLAZE RESISTORS

RV(RVS) SERIES

Features

- Excellent anti-surge characteristics
- Suitable for high voltage and high impedance applications
- Stable characteristics of moisture resistance
- Standard coating - epoxy, silicon, flameproof coating on request
- Operating temperature range $-55^{\circ}\text{C} - +175^{\circ}\text{C}$

Construction



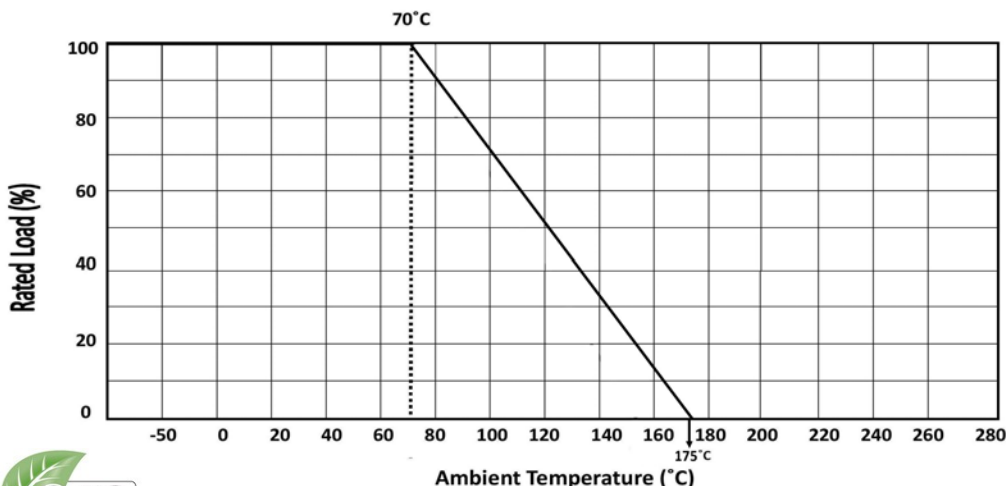
General Specification

Style		Dimensions				Max Permissible Voltage	Max Impulse Voltage	Resistance Range
RVS	RV	L	D	d	H(mm)	V	V	
1/4W	1/8W	3.3 ± 0.2	1.7 ± 0.2	0.45 ± 0.05	25	800	3000	10K-1G
1/2W	1/4W	6.5 ± 0.5	2.3 ± 0.2	0.55 ± 0.05	25	1600	3000	10K-10G
1W	1/2W	9.0 ± 1.0	3.2 ± 0.5	0.7 ± 0.05	25	3500	10000	10K-10G
2W	1W	11.5 ± 1.0	4.5 ± 0.5	0.75 ± 0.05	25	5000	10000	10K-10G
3W	2W	15.5 ± 1.0	5.5 ± 0.5	0.75 ± 0.05	25	7500	10000	10K-10G

Standard Tolerance 5%, $\geq 1\text{G}$ 10%

*Special resistances and tolerances are available upon request

Derating Curve



Lake-View Electronics Corp. 1054 Pioneer Rd. Grafton, WI Ph: 262-377-8250 Fax: 262-375-0109

www.lvelectronics.com

Email: sales@lvelectronics.com

Electrical Characteristics

Characteristics	Specification	Test Method
Temperature Coefficient	$< 1G \leq \pm 200 \times 10^{-6}/K$ $> 1G \leq \pm 500 \times 10^{-6}/K$	MIL-STD-202 Method 304
Dielectric withstanding voltage of the insulation for 1 min	1/8W, 1/4WS 400V 1/4W upward 700V	MIL-STD-202 Method 301
Resistance to soldering heat	ΔR within $\pm 1\%$	MIL-STD-202 Method 201 350°C, 3±0.5 sec.
Terminal Strength	Leads are not broken or loosened	MIL-STD-202 method 211
Solderability	At least 95% coverage	MIL-STD-202 method 218 235°C, 5 sec.
Short Time Overload	ΔR within $\pm 1\%$	MIL-R-10509 Para 4.6.6 2.5 times rated working voltage
Humidity	ΔR within $\pm 2\%$	MIL-STD-202 Method 103, 40°C, 90% RH 1000Hours
Impulse Test	ΔR within $\pm 2\%$	MIL-R-10509 para 4.6.5
Load Life	ΔR within $\pm 3\%$	MIL-STD-202 Method 108, Rated Working Voltage 1 1/2 hours on, 1/2 hours off, 1000 hours
Resistance to Solvent	Color band legible no mechanical damage	MIL-STD-202 Method 215

Parts Number System

RV(RVS)	—	1/4W	104	J	T
		Wattages	Resistance	Tolerance	Packaging Codes
High voltage		1/8W	3 digit code for 5%		T - Ammo tape/box
Metal Glaze		1/4W	104= 100K	F=1%	R - Tape/Reel
Resistor		1/2W	4 digit code for 1%	J=5%	B - Bulk pack
		1W	1003= 100K	K=10%	
		2W			
		3W			

