

MG Series — Metal Glaze Resistor

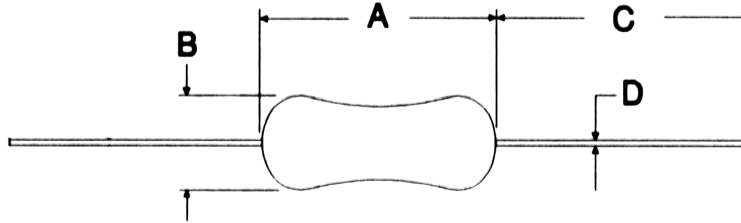
Features

- High voltage capability from 1600 to 3500 volts
- High resistance values up to 200M
- Tolerances as low as 1%, TC's as low as 100 ppm
- Inexpensive high voltage leaded resistor solution



Electrical Specifications

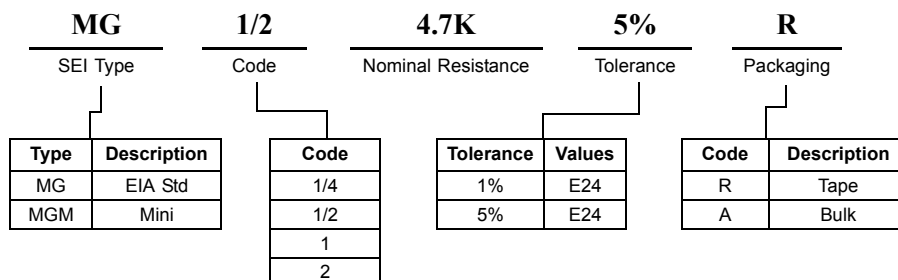
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage*	Dielectric Withstanding Voltage	Resistance Range	Resistance Tolerance	Resistance Temperature Coefficient	Operating Temperature Rating
MG 1/4	0.25	1600	600	100K - 200M	± 5% ± 1%	±200ppm/°C	-55°C - +155°C
MG 1/2	0.5	2000	600				
MG 1	1	3500	600				
MG2	2	3500	600				



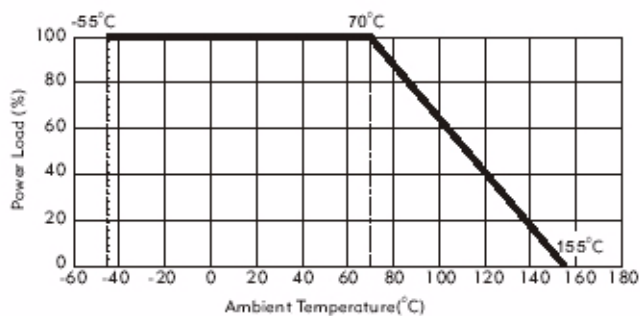
Mechanical Specifications

Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Units
MG 1/4	6 ± 0.3	2.4 ± 0.1	28 ± 2	0.6 ± 0.05	mm
MG 1/2	9 ± 0.5	3.3 ± 0.5	30 ± 3	0.6 ± 0.05	mm
MG 1	12 ± 2	4.5 ± 0.5	38 ± 3	0.8 ± 0.05	mm
MG 2	16 ± 2	5.5 ± 0.5	38 ± 3	0.8 ± 0.05	mm

How to Order



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Performance Characteristics

Test	Requirement
Short Time Overload	$\pm (1.0\% + 0.05\Omega)$
Moisture Resistance	$\pm (5.0\% + 0.05\Omega)$
Load Life	$\pm (3.0\% + 0.05\Omega)$
Insulation Resistance	$>1,000 \text{ M}\Omega$
Resistance to Soldering Heat	$\pm (0.1\% + 0.05\Omega)$
Temperature Cycling	$\pm (0.1\% + 0.05\Omega)$
Terminal Strength	$\pm (0.1\% + 0.05\Omega)$
Low Temperature Operation	$\pm (0.1\% + 0.05\Omega)$