

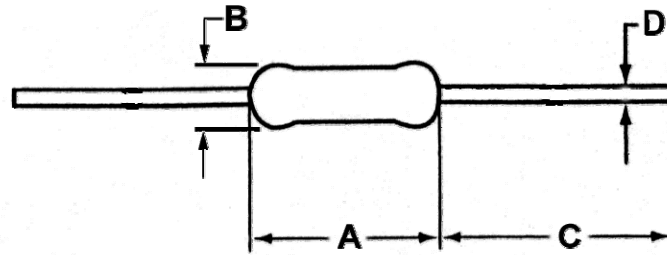
- Features:
- High voltage capability from 1600 to 4000 volts
 - Inexpensive high voltage leaded resistor solution
 - High resistance values up to 200M
 - Tolerances as low as 1%; TCRs as low as 50PPM/°C
 - Flameproof coating (brown) standard; epoxy coating (blue) available



Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Dielectric Withstanding Voltage		Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance
			Silicone	Epoxy		
MG 1/4	0.25W	1600V	400V	500V	±100 ppm/°C *	100K - 1G 1%, 5%, 10%
MG 1/2	0.5W	2000V	500V	700V		
MG 1	1W	3000V	500V	1000V		
MG 2	2W	3500V	700V	1200V		
MGM 1/2	0.5W	1800V	400V	500V		
MGM 1	1W	2500V	500V	700V		
MGM 2	2W	3500V	500V	1000V		
MGM 3	3W	3500V	700V	1200V		

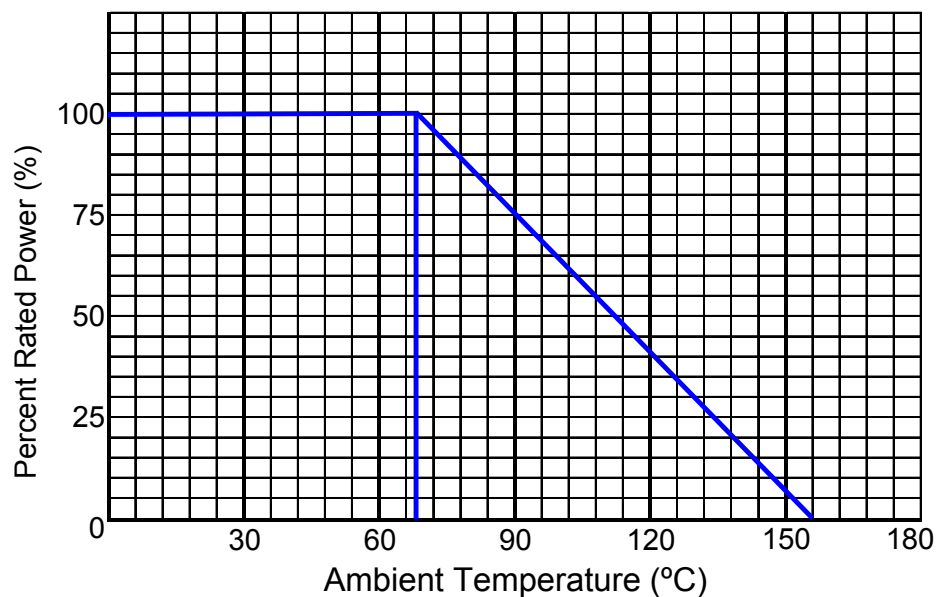
* ±50 ppm/°C available for some values and sizes. Contact factory.

Performance Characteristics	
Test	Requirement
Short Time Overload	± (1% + 0.05Ω)
Moisture Resistance	± (5% + 0.05Ω)
Load Life	± (3% + 0.05Ω)
Insulation Resistance	> 10,000 MΩ
Resistance to Soldering Heat	± (1% + 0.05Ω)
Temperature Cycling	± (1% + 0.05Ω)
Terminal Strength	± (1% + 0.05Ω)
Intermittent Overload	± (1% + 0.05Ω)



Mechanical Specifications					
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Units
MG 1/4	0.248 ± 0.02	0.091 ± 0.012	1.102 ± 0.079	0.022 ± 0.012	inches
	6.3 ± 0.5	2.3 ± 0.3	28.0 ± 2.0	0.55 ± 0.03	mm
MG 1/2	0.354 ± 0.02	0.126 ± 0.02	1.02 ± 0.079	0.026 ± 0.012	inches
	9.0 ± 0.5	3.2 ± 0.5	26.0 ± 2.0	0.65 ± 0.03	mm
MG 1	0.453 ± 0.039	0.157 ± 0.02	1.378 ± 0.079	0.031 ± 0.012	inches
	11.5 ± 1.0	4.0 ± 0.5	35.0 ± 2.0	0.78 ± 0.03	mm
MG 2	0.61 ± 0.039	0.197 ± 0.2	1.26 ± 0.079	0.031 ± 0.012	inches
	15.5 ± 1.0	5.0 ± 0.5	32.0 ± 2.0	0.78 ± 0.03	mm
MGM 1/2	0.248 ± 0.02	0.091 ± 0.012	1.102 ± 0.079	0.022 ± 0.012	inches
	6.3 ± 0.5	2.3 ± 0.3	28.0 ± 2.0	0.55 ± 0.03	mm
MGM 1	0.354 ± 0.02	0.157 ± 0.02	1.02 ± 0.079	0.026 ± 0.012	inches
	9.0 ± 0.5	4.0 ± 0.5	26.0 ± 2.0	0.65 ± 0.03	mm
MGM 2	0.453 ± 0.039	0.177 ± 0.02	1.378 ± 0.079	0.031 ± 0.012	inches
	11.5 ± 1.0	4.5 ± 0.5	35.0 ± 2.0	0.78 ± 0.03	mm
MGM 3	0.61 ± 0.039	0.197 ± 0.02	1.260 ± 0.079	0.031 ± 0.012	inches
	15.5 ± 1.0	5.0 ± 0.5	32.0 ± 2.0	0.78 ± 0.03	mm

Power Derating Curve:



How to Order

SEI Type		Code	Nominal Resistance	Tolerance		Packaging			
MG		1/2	100K	5%		R			
Type	Description	Code	Tolerance		Values	Type	Qty	Description	Code
MG	EIA Standard - Silicone	1/4	1%	E24		All	1,000	Bulk	A
MGM	Mini - Silicone coating	1/2	5%	E24		MG 1, MG 1/2, MG 2, MGM 1, MGM 2, MGM 3	1,000	Ammo	T
MGE	EIA Standard - Epoxy	1	10%	E24		MG 1/4, MGM 1/2	5,000		
MGME	Mini - Epoxy Coating	2				MG 2, MGM 3	1,000	Reel	R
		3				MG 1, MGM 2	2,000		
						MG 1/2, MGM 1	2,500		
						MG 1/4, MGM 1/2	5,000		

New part number format starting January 3rd, 2011:

How to Order

