

- 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%, TC's as low as 100ppm/°C

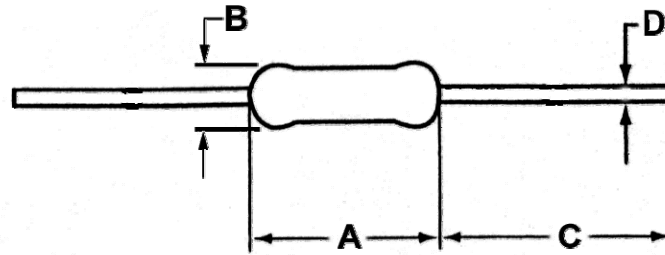


| Electrical Specifications | | | | | | |
|---------------------------|-----------------------------|-------------------------|---------------------------------|------------------|----------------------|------------------------------------|
| Type / Code | Power Rating (Watts) @ 70°C | Maximum Working Voltage | Dielectric Withstanding Voltage | Resistance Range | Resistance Tolerance | Resistance Temperature Coefficient |
| MG 1/4 | 0.25W | 1600V | 700V | 100KΩ - 200MΩ | ±5% ±1% | ±200 ppm/°C ±100 ppm/°C |
| MG 1/2 | 0.5W | 2000V | 700V | | | |
| MG 1 | 1W | 3500V | 700V | | | |
| MG 2 | 2W | 3500V | 700V | | | |
| MGM 1/2 | 0.5W | 1800V | 700V | | | |
| MGM 1 | 1W | 2200V | 700V | | | |
| MGM 2 | 2W | 3700V | 700V | | | |
| MGM 3 | 3W | 4000V | 700V | | | |

| 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) |
| Low Temperature Operation | ± (1% + 0.05Ω) |

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 Std | 1/4 | | 1% | E24 | MG 1/4, MGM 1/2 | 5,000 | Ammo | T |
| MGM | Mini | 1/2 | | 5% | E24 | All Others | 1,000 | | |
| | | 1 | | | | MG 1/4, MGM 1/2 | 5,000 | Reel | R |
| | | 2 | | | | All Others | 1,000 | | |
| | | 3 | | | | | | | |



| 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 ± 2 | 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 ± 0.5 | 3.2 ± 0.5 | 26 ± 2 | 0.65 ± 0.03 | mm |
| MG 1 | 0.453 ± 0.039 | 0.177 ± 0.02 | 1.378 ± 0.079 | 0.031 ± 0.012 | inches |
| | 11.05 ± 1 | 4.5 ± 0.5 | 35 ± 2 | 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 | 5 ± 0.5 | 32 ± 2 | 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 ± 2 | 0.55 ± 0.03 | mm |
| MGM 1 | 0.354 ± 0.02 | 0.126 ± 0.02 | 1.02 ± 0.079 | 0.026 ± 0.012 | inches |
| | 9 ± 0.5 | 3.2 ± 0.5 | 26 ± 2 | 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 | 4.5 ± 0.5 | 35 ± 2 | 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 | 5 ± 0.5 | 32 ± 2 | 0.78 ± 0.03 | mm |

