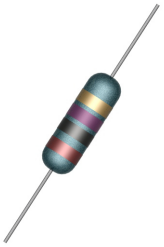
MG Series

Film Resistors

RIEDON

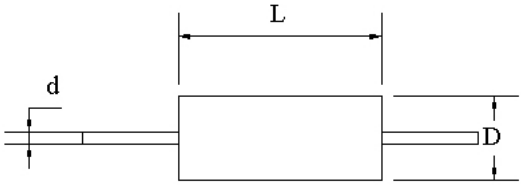
RoHS compliant

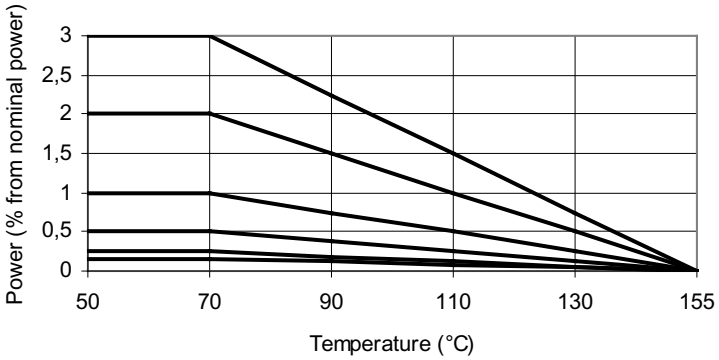


- **Resistances from 50kOhm to 2GOhms**
- **Power Rating to 3Watts**
- **Resistance Tolerances to ±0.5%**
- **Max. working voltage to 10000V**
- **Convenient RN Type Package Styles**

SPECIFICATIONS

Type	MG50	MG55	MG60	MG65	MG70	MG75
Resistance Range	50kOhms to 1GOhms		50kOhms to 1GOhms		100kOhms to 2GOhms	
Power rating (70°C)	0.16W	0.25W	0.50W	1.0W	2.0W	3.0W
Tolerances	0.5% / 1% / 5% / 10%					
Temperature Coefficient	50 / 100 / 200ppm/K					
Operating Voltage (Umax)	400V	800V	1500V	3000V	6000V	8000V
Short Time Overload Voltage	800V	1500V	3000V	6000V	10000V	15000V
Operating Temperature Range	-55 to 155°C					
Max. Resistance Change at rated power ΔR/R max after 1000h	≤1.5%					
Insulation Resistance	>1G					
Insulation Voltage	>500V					
Dimensions in mm [inches] L D d Tolerance	 3.8 [0.15] 1.9 [0.07] 0.5 [0.02] ±0.1 [0.003]	 6.0 [0.24] 2.5 [0.1] 0.6 [0.024] ±0.1 [0.003]	 10.0 [0.39] 3.5 [0.14] 0.6 [0.024] ±0.1 [0.003]	 13 [0.51] 4.5 [0.18] 0.7 [0.027] ±0.1 [0.003]	 17.0 [0.67] 5.5 [0.22] 0.8 [0.031] ±0.1 [0.003]	 26.0 [1 /02] 8.5 [0.33] 0.8 [0.031] ±0.1 [0.003]





Ordering Information

Part Number - Resistance - Tolerance
MG55 100 kOhms 0.5%