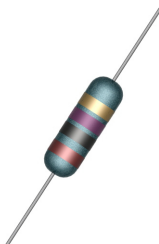


# MG Series

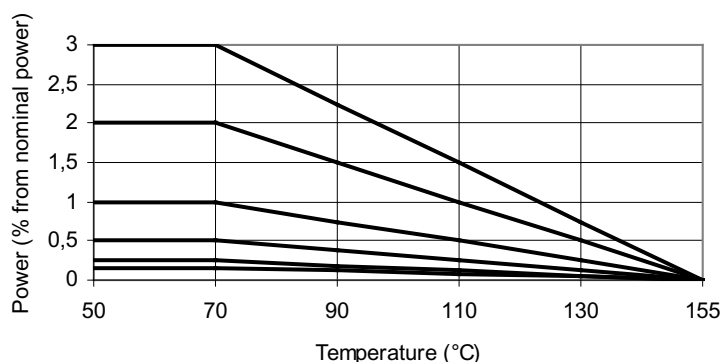
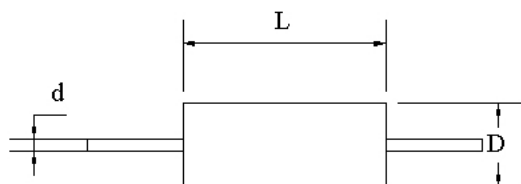
Film Resistors



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

## SPECIFICATIONS

Type	MG50	MG55	MG60	MG65	MG70	MG75
Resistance Range	50kOhms to 200MOhms		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	max. $\pm 200$ ppm/K					
Operating Voltage (Umax)	400V	800V	1500V	3000V	6000V	10000V
Short Time Overload Voltage	800V	1500V	3000V	6000V	10000V	20000V
Operating Temperature Range	-55 to 155°C					
Max. Resistance Change at rated power $\Delta R/R$ max after 1000h	$\leq 1.5\%$					
Insulation Resistance	$> 1G$					
Insulation Voltage	$> 500V$					
Dimensions in mm [inches]						
L	3.8 [0.15]	6.0 [0.24]	10.0 [0.39]	13 [0.51]	17.0 [0.67]	26.0 [1 /02]
D	1.9 [0.07]	2.5 [0.1]	3.5 [0.14]	4.5 [0.18]	5.5 [0.22]	8.5 [0.33]
d	0.5 [0.02]	0.6 [0.024]	0.6 [0.024]	0.7 [0.027]	0.8 [0.031]	0.8 [0.031]
Tolerance	$\pm 0.1$ [0.003]	$\pm 0.1$ [0.003]	$\pm 0.1$ [0.003]	$\pm 0.1$ [0.003]	$\pm 0.1$ [0.003]	$\pm 0.1$ [0.003]



## Ordering Information

Part Number - Resistance - Tolerance  
 MG55 100 kOhms 0.5%