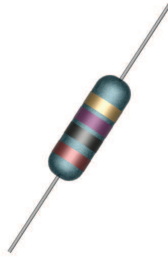


HV Series

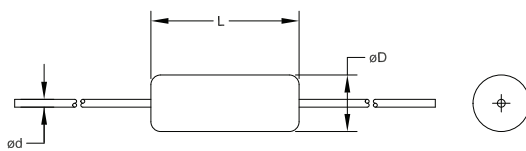
High Voltage Metal Glaze Resistors



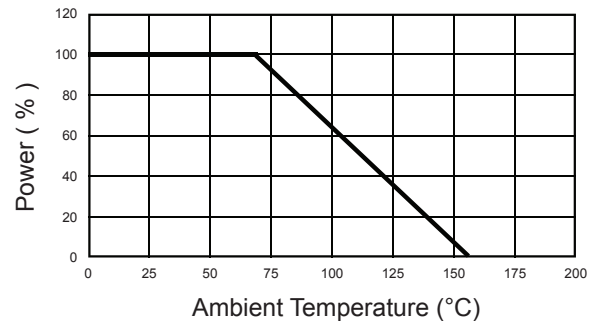
- Resistances from 1kOhm to 1GOhms
- Power Rating to 0.5 Watts
- Resistance Tolerances to $\pm 0.5\%$
- Max. working voltage to 3500V
- TCR down to $\pm 50\text{ppm}/^\circ\text{C}$

SPECIFICATIONS

Specification	HV25	HV37
Resistance Range	100K - 22M	100K - 33M
Power rating (70°C)	0.25W	0.5W
Tolerances	0.5% / 1% / 5% / 10%	
Temperature Coefficient of Resistance (ppm/°C)	± 50 / ± 100 / ± 200	
Max Operating Voltage	1600V _{DC}	3500V _{DC}
Max Short Time Overload Voltage	3200V _{DC}	5000V _{DC}
Operating Temperature Range	-55°C to 155°C	
Insulation Voltage	>500V	
Insulation Resistance	>1GΩ	
Long Term Stability	ΔR MAX	
Load Life / P=70% / 70°C / 1000h	$\pm 1.5\%$	
Temperature Cycle / 30m -55°C / 30m 155°C / 5 cycles	$\pm 0.5\%$	
Humidity / 96%RH / 40°C / 56 days	$\pm 1.5\%$	
Dimensions		
L (mm)	6 ± 0.05	10 ± 0.05
D (mm)	2.5 ± 0.05	3.5 ± 0.05
d (mm)	0.6 ± 0.05	0.6 ± 0.05



Power Derating Curve



Ordering Information

Part Description: Part Type - Resistance - Tolerance
 HV37 1MOhms 1%