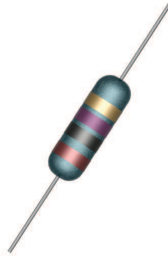


# HV Series

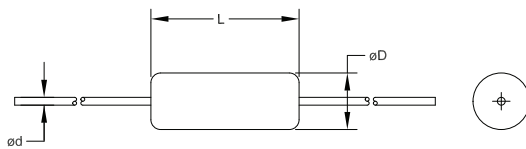
High Voltage Metal Glaze Resistors



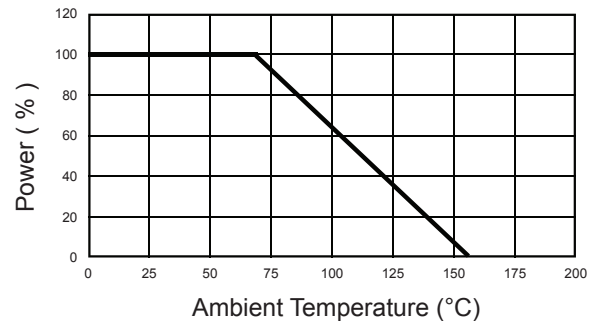
- Resistances from 1kOhm to 1GOhms
- Power Rating to 0.5 Watts
- Resistance Tolerances to  $\pm 0.5\%$
- Max. working voltage to 3500V
- TCR down to  $\pm 50\text{ppm}/^\circ\text{C}$

## SPECIFICATIONS

Specification	HV25	HV37
Resistance Range	1K $\Omega$ to 1G $\Omega$	
Power rating (70°C)	0.25W	0.5W
Tolerances	0.5% / 1% / 5% / 10%	
Temperature Coefficient of Resistance (ppm/°C)	$\pm 50$ / $\pm 100$ / $\pm 200$	
Max Operating Voltage	1600V <sub>DC</sub>	3500V <sub>DC</sub>
Max Short Time Overload Voltage	3200V <sub>DC</sub>	5000V <sub>DC</sub>
Operating Temperature Range	-55°C to 155°C	
Insulation Voltage	>500V	
Insulation Resistance	>1G $\Omega$	
<b>Long Term Stability</b>	<b><math>\Delta R</math> MAX</b>	
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)	$6 \pm 0.05$	$10 \pm 0.05$
D (mm)	$2.5 \pm 0.05$	$3.5 \pm 0.05$
d (mm)	$0.6 \pm 0.05$	$0.6 \pm 0.05$



Power Derating Curve



## Ordering Information

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