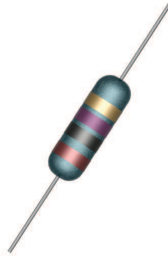


HV Series

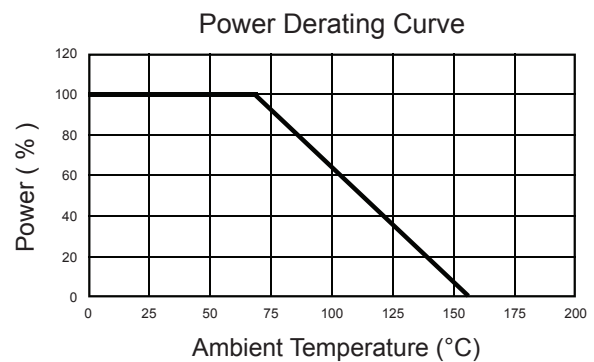
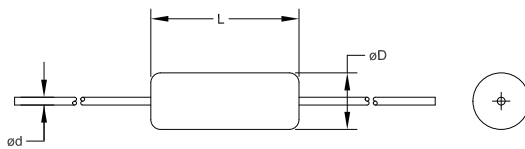
High Voltage Metal Glaze Resistors



- Resistances from 100kOhm to 33M
- Power Rating from 0.25W to 0.50 Watts
- Resistance Tolerances to $\pm 1\%$
- Max. working voltage to 3500V

SPECIFICATIONS

Specification	HV25	HV37
Resistance Range	100K - 22M	100K - 33M
Power rating (70°C)	0.25W	0.5W
Tolerances	1% / 5%	
Temperature Coefficient of Resistance (ppm/°C)	± 200	
Max Operating Voltage: DC RMS	1600V 1150V	3500V 2500V
Operating Temperature Range	-55°C to 155°C	
Insulation Voltage	500V	750V
Dimensions		
L (mm)	6.5 ± 0.5	10 ± 0.05
D (mm)	2.5 ± 0.5	3.9 ± 0.55
d (mm)	0.6 ± 0.05	0.6 ± 0.5



Ordering Information

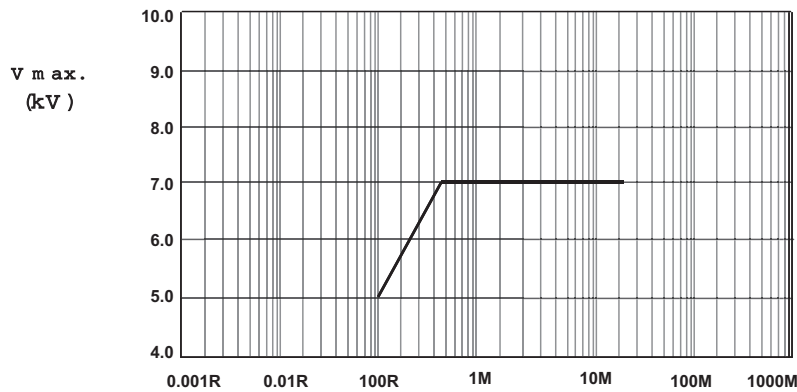
Part Description: Part Type - Resistance - Tolerance
HV37 1MOhms 1%

Performance Data

Environmental Performance	ΔR	Test Conditions
Load Life	$\pm 1.5\%$	P= 70%, 70°C, 1000 hr
Humidity Resistance	$\pm 1.5\%$	40°C, 95% RH, 56 days
Temperature Cycle	$\pm 0.5\%$	-55°C for 30 min, +155°C for 30 min, 5 cycles
Resistance to Soldering Heat	$\pm 0.5\%$	350°C for 3s
Dry Heat Test	$\pm 1.5\%$	16 hrs at 150°C
Cold Test	$\pm 0.5\%$	2 hrs at -55°C
Short Time Overload	$\pm 2.0\%$	6.25 X Rated Power, 5 sec ON, 45 sec OFF, 10 cycles V > zV max
Endurance @70°C	$\pm 1.5\%$	90 min ON, 30 min OFF, 2000 hr
Temperature Coefficient	Within Limits	-55 to 150°C
Insulation Resistance	500V dc	>10 ⁹ M Ω
Voltage Proof Test	500V	1 minute
Solderability Test	>95% coverage covered	16hrs steam or 155°C, solder 2 sec @235°C using flux

Pulse Load Capabilities

HV25



HV37

