

HV SERIES HIGH VOLTAGE AXIAL LEADED RESISTORS



Specialists in precision high value, high voltage resistors and networks, serving the industry since 1972.

The HV Series was designed for applications requiring higher working voltages and higher power dissipation while still maintaining excellent environmental performance specifications.

We welcome your requests for Engineering Samples. Call with your requirements and we will furnish them as soon as possible. If you require technical assistance with your resistor applications please call our toll free number **1-800-322-1953**.

If you are having delivery problems with your current supplier call our toll free number for assistance on small or larger orders.

AVAILABLE OPTIONS

- Tolerances from .1% to 20%
- Guaranteed voltage coefficients
- Special temperature coefficients
- Flame proof coating
- Coatings for use in oil
- Marking to customer specifications
- Matched sets for low ratio TC and tolerance tracking
- Manufacturing and testing to MIL-PRF-49462
- Packaging supplied in bulk or ammo pack

SPECIFICATIONS

HMC TYPE	WATT-AGE	VOLTAGE RATINGS	RESISTANCE		MAXIMUM DIMENSIONS		
			Min.	Max.	CL	BD	LD
HV60	1.0W	1500VDC	250K	4000M	.405 (10.287)	.150 (3.810)	.032 (.812)
HV65	2.0W	2500VDC	300K	10000M	.620 (15.748)	.171 (4.343)	.032 (.812)
HV70	3.0W	5000VDC	500K	15000M	.835 (21.209)	.255 (6.477)	.032 (.812)
HV80	4.0W	7500VDC	500K	20000M	.965 (24.511)	.340 (8.636)	.032 (.812)
HV100	5.0W	15,000VDC	750K	30000M	1.815 (46.101)	.340 (8.636)	.032 (.812)
HV120	6.0W	20,000VDC	750K	50000M	2.130 (54.102)	.340 (8.636)	.032 (.812)

HOW TO ORDER BY PART NUMBER:

The part number is a combination of series, size, thickness, substrate and wrap.

Example: HV65 - 10M - 1% - H

HMC TYPE:
RESISTANCE VALUE:
TOLERANCE:
TEMPERATURE COEFFICIENT:

25PPM = E	150PPM = L
50PPM = H	200PPM = N
100PPM = K	250PPM = R

ENVIRONMENTAL PERFORMANCE

Load Life: 1,000 hours at rated voltage at +70°C, not to exceed rated power, ΔR , 0.50% Max.

Overtolerance/Overload: 1.5 times rated voltage, not to exceed 5 times rated power for 10 sec., ΔR , 0.50% Max.

Thermal Shock: MIL-STD-202, Method 107, Cond. F, ΔR , 0.30% Max.

Moisture Resistance: MIL-STD-202, Method 106, ΔR , 0.50% Max.

Insulation Resistance: 10,000 Megohms minimum, at 500 volts DC.

Shelf Life: 1 year at +25°C, ΔR , 0.25% Max.

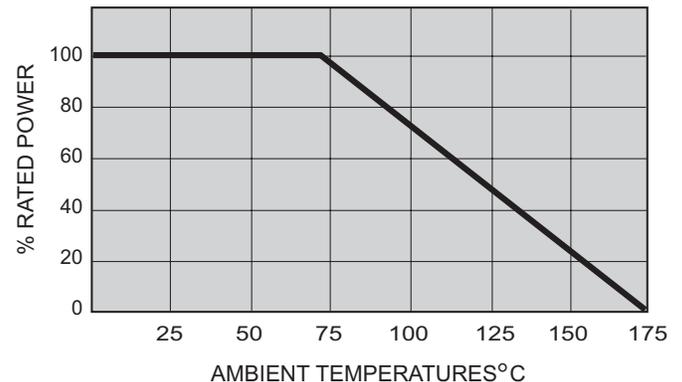
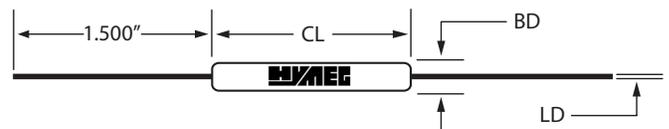
Dielectric Strength: MIL-STD-202, Method 301, ΔR , 0.25% Max.

TEMPERATURE COEFFICIENTS

T9 = 0 ± 25 PPM/°C from 0 to +70°C

T2 = 0 ± 50 PPM/°C from -15°C to +105°C

T0 = 0 ± 100 PPM/°C from -55°C to +125°C



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