

HP SERIES HIGH POWER NON-INDUCTIVE RESISTORS



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

HYMEG'S "Stability Plus" High Power resistors are available with ratings to 12.5 watts and 6000 VDC for applications where the ambient temperatures can reach 275° C.

- The HP Series utilizes HYMEG'S non-inductive design for use in high frequency applications.
- TCR's 50 ppm and tolerances to 1%
- Silver plated leads with nickel alloy caps
- Coating Silicone conformal
- Prestressed for long term stability
- Power conditioning available

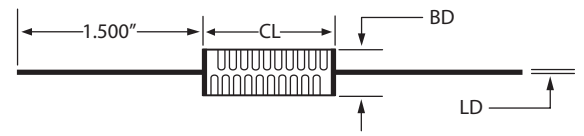
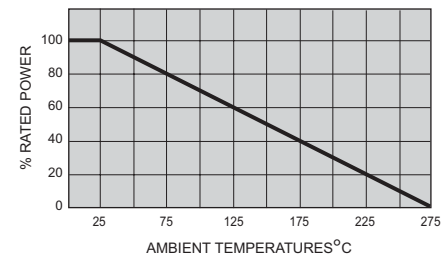
ENVIRONMENTAL PERFORMANCE

Load Life: 1,000 hours at rated power	.40%
Overload: 1.5 times rated voltage for 5 sec.	.40%
Moisture Resistance: No load polar	.50%
Thermal Shock:	.25%
Solder Effects:	.10%
Terminal Strength:	.20%
Shelf Life: 1yr at 25° C	.10%

FV SPECIFICATIONS

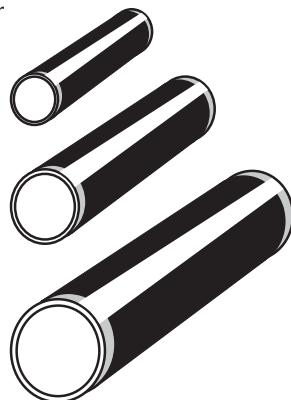
HMC TYPE	WATTAGE		VOLTAGE RATINGS	RESISTANCE		MAXIMUM DIMENSIONS		
	25°C	125°C		MIN.	MAX.	CL	BD	LD +/- .002"
HP200	1.0 W	0.6 W	500 VDC	25Ω	5M	.290 (7.366)	.100 (2.549)	.025 (.635)
HP220	2.0 W	1.2 W	1000 VDC	25Ω	10M	.405 (10.287)	.150 (3.810)	.032 (.812)
HP230	3.0 W	1.8 W	1000 VDC	50Ω	10M	.620 (15.748)	.171 (4.343)	.032 (.812)
HP240	4.0 W	2.4 W	2000 VDC	60Ω	15M	1.060 (26.924)	.270 (6.858)	.040 (1.016)
HP260	6.0 W	3.6 W	2000 VDC	70Ω	15M	1.040 (26.416)	.340 (8.636)	.040 (1.016)
HP280	8.0 W	4.8 W	2000 VDC	70Ω	8M	.965 (24.511)	.380 (9.652)	.040 (1.016)
HP310	10.0 W	6.0 W	4500 VDC	80Ω	20M	1.320 (33.528)	.380 (9.652)	.040 (1.016)
HP312	12.5 W	7.5 W	6000 VDC	100Ω	30M	2.075 (52.705)	.380 (9.652)	.040 (1.016)

Insulation Resistance: At 750 VDC	10KM
Low Temperature Operation:	.25%
High Temperature Exposure:	
150° C for 2000 hours	.50%
175° C for 2000 hours	.75%
Dielectric Strength:	.25%



- 100% NON-INDUCTIVE
- High Wattage Air and Water
- Cooled Surge Resistors
- Sizes up to 1" in diameter and 8" in length
- Wattages from 10 watts to 1000 watts

HWR Series



Consult factory for complete information

HOW TO ORDER BY PART NUMBER:

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

Example: HA65 - 10M - 1% - H

HMC TYPE: _____
 RESISTANCE VALUE: _____
 TOLERANCE: _____
 TEMPERATURE COEFFICIENT: _____

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



sales@hymeg.com
www.hymeg.com

HYMEG Corporation
Call: 800-322-1953
 P.O. Box 18802 • Clearwater, FL 33762