

## IRP HIGH POWER RESISTOR ASSEMBLIES

The IRP high power resistor line can handle powers of up to 10,000 watts. These models are comprised of multiple resistors housed in a rugged steel protective cover. The base is zinc plated steel. The cover is powder coated steel which is baked, rendering it extremely strong. The major application for this model range is high power inverter braking resistors.

### SPECIFICATIONS

Model	Wattage Rating in Free Air	Resistance Range [ohms]		Resistance Tolerance
		Inductive	Non-Inductive	
IRP1000	400	0.1-140	0.1-36	+-0.5(D) +-1.0(F) +-2.0(G) +-5.0(J) +-10(K)
IRP2000	800	0.1-280	0.1-72	
IRP3000	1100	0.1-420	0.1-108	
IRP4000	1400	0.1-560	0.1-144	
IRP5000	1600	0.1-700	0.1-180	
IRP6000	1800	0.1-840	0.1-216	
IRP7000	2100	0.1-980	0.1-252	
IRP8000	2400	0.1-1120	0.1-288	
IRP9000	2700	0.1-1260	0.1-324	
IRP10000	3000	0.1-1400	0.1-360	



### DIMENSIONS & ORDERING PROCEDURE EXAMPLE

Front View

**IRP5000**    **N**    **7ohms**    **J**

Model #    For Non-Inductive    Resistance    Tolerance

Model	Weight [g]	Dimensions [mm]					
		L1+-2	L2+-2	W1+-2	W2+-2	H1+-2	H2+-2
IRP1000	7100	530	510	320	240	120	75
IRP2000	8950	530	510	320	240	120	75
IRP3000	10800	530	510	320	240	120	75
IRP4000	14150	530	510	430	240	120	75
IRP5000	16000	530	510	430	240	120	75
IRP6000	18000	530	510	320	240	215	170
IRP7000	20450	530	510	430	240	215	170
IRP8000	22300	530	510	430	240	215	170
IRP9000	24150	530	510	430	240	215	170
IRP10000	26000	530	510	430	240	215	170

### CHARACTERISTICS

	Values in [ ] mean change in ohms after test
1/Temperature Range	-55C to +200 C
2/Insulation Resistance	20Mohms minimum
3/Dielectric Strength	Available options: AC1500V, 2500V, 3500V; Max. leakage current: 2mA
4/Temp. Coefficient	+ -260ppm/C maximum
5/Short Time Overload	10Xwattage rating-5seconds
6/Moisture Resistance	40 C, 95% RH, DC100V case to terminal (500hrs.)
7/Thermal Shock	wattage rating 30min.,25C,15minutes