

## HRA HIGH POWER RESISTOR ASSEMBLIES

The HRA series of high power, metal clad, wire wound resistors are designed for use in high power inverters. The basis for these models is sets of IRV resistor surrounded by a metal case, which conforms to international safety specifications. The steel case is powder coated and baked for durability.

### SPECIFICATIONS

Model	Resistor Types Inside	Wattage Rating in Free Air	Resistance Range [ohms]		Resistance Tolerance
			Inductive	Non-Inductive	
HRA1600	2XIRV800	640	0.1-224	0.1-56	+-0.5(D) +-1.0(F) +-2.0(G) +-5.0(J) +-10(K)
HRA2000	2XIRV1000	800	0.1-280	0.1-72	
HRA2400	3XIRV800	960	0.1-336	0.1-84	
HRA3000	3XIRV1000	1100	0.1-420	0.1-108	
HRA4000	4XIRV1000	1400	0.1-560	0.1-144	
HRA5000	5XIRV1000	1600	0.1-700	0.1-180	
HRA6000	6XIRV1000	1800	0.1-840	0.1-216	



### DIMENSIONS & ORDERING PROCEDURE EXAMPLE

These models come with multiple conduit knock-outs for easy wiring

The enclosure is well ventilated and meets int'l safety specs

<b>HRA1600</b> Model #	<b>N</b> For Non-Inductive	<b>7ohms</b> Resistance	<b>J</b> Tolerance
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### DIMENSIONS

Model	Weight [g]	Dimensions [mm]				
		W+-5	D+-5	H+-3	W1+-2	D1+-2
HRA1600	7800	250	510	110	215	360
HRA2000	8500	250	510	110	215	360
HRA2400	9300	250	510	110	215	360
HRA3000	10500	250	510	110	215	360
HRA4000	15000	250	510	190	215	360
HRA5000	16600	250	510	190	215	360
HRA6000	17600	250	510	190	215	360

### CHARACTERISTICS

Values in [ ] mean change in ohms after test

Temperature Range	-55C to +200C	
Insulation Resistance	20Mohmsminimum	
Dielectric Strength	Available options: AC1500V, 3500V, 4500V, 5400V; Max. leakage current: 2mA	
Temp. Coefficient	+-260ppm/C maximum	
Short Time Overload	+- [2%+0.05ohms]	10Xwattage rating-5seconds
Moisture Resistance	+- [3%+0.05ohms]	40 C, 95% RH, DC100V case to terminal (500hrs.)
Thermal Shock	+- [2%+0.05ohms]	Wattage rating 30min.,25C,15minutes