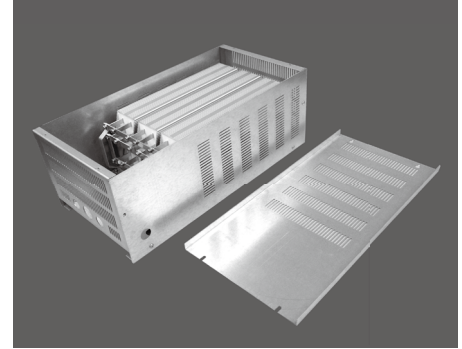


Load Resistor Box

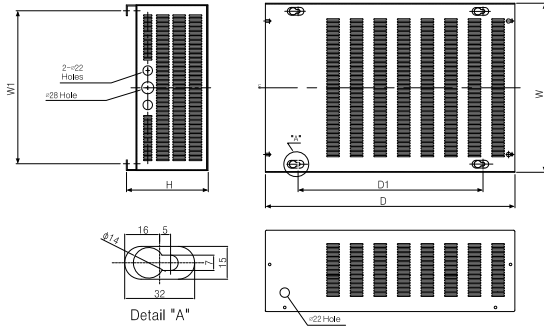
HRA

Resistor Box for high power loads from 640W to 3100W

Type	Wattage Rating in Free Air (W)	Resistance Range (Ω)		Resistance Tolerance (%)	Operating Temp.	Weight (kg)
		Inductive	Non-Inductive			
HRA1600	640	1.2~224	1.2~56	±5 (J) ±10 (K)	-55°C +200°C	8
HRA2000	800	1.2~280	1.2~72			9
HRA2400	960	1.2~320	1.2~96			14
HRA3000	1100	1.2~420	1.2~108			11
HRA3600	1250	1.2~480	1.2~144			17
HRA4000	1400	1.2~560	1.2~144			15
HRA4800	1500	1.2~640	1.2~192			19
HRA5000	1600	1.2~700	1.2~180			17
HRA6000	1800	1.2~840	1.2~216			21
HRA7200	2000	1.2~960	1.2~288			24
HRA8400	2200	1.2~1120	1.2~366			26
HRA9600	2600	1.2~1280	1.2~384			28
HRA10800	2900	1.2~1440	1.2~432			30
HRA12000	3100	1.2~1600	1.2~480			33



Shape & Dimensions

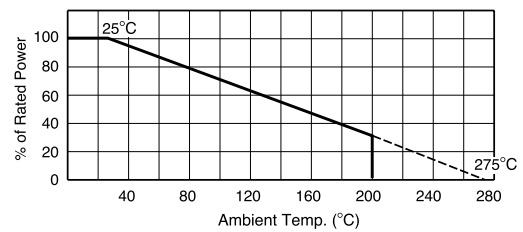


Type	Dimensions (mm)				
	W	D	H	W1	D1
HRA1600	250	510	110	215	360
HRA2000	250	510	110	215	360
HRA2400	252	580	110	215	430
HRA3000	250	510	110	215	360
HRA3600	252	580	110	215	430
HRA4000	250	510	190	215	360
HRA4800	252	580	190	215	430
HRA5000	250	510	190	215	360
HRA6000	250	510	190	215	360
HRA7200	252	580	190	215	430
HRA8400	393	580	190	355	430
HRA9600	393	580	190	355	430
HRA10800	393	580	190	355	430
HRA12000	393	580	190	355	430

■ Performance

Parameters	Test Condition	Specification
Dielectric Strength	AC1500V 1min.	±(0.5%+0.05Ω)
Insulation Resistance	Load DC500V and measure the Insulation R.	20MΩ MIN
Short Time Over Load	5×Wattage Rating 5sec	±(2%+0.05Ω)
Thermal Shock	Wattage Rating 30min, -25°C 15min	±(2%+0.05Ω)
Moisture Resistance	Temp. 40°C Moisture 95% 1/10×Wattage Rating (1.5Hr ON 0.5Hr OFF) Repeat 500Hr	±(3%+0.05Ω) 5MΩ MIN
Temp. Coefficient	Standard Temp. +20°C, Test Temp. 0°C 120°C 200°C	±260ppm/°C
Load Life	Rated Power at Room Temp. (Chassis mounted), 1.5Hr ON 0.5Hr OFF Repeat 1000Hr	±(5%+0.05Ω)
Vibration	10Hz - 55Hz - 10Hz(1 min) Horizontal and vertical direction for 2 Hr each	±(2%+0.05Ω)

Ambient Temp. Derating Curve



How to order

HRA3000 N 2Ω J
Type Resistance Tolerance

Standard Resistance E-24 Series
J(±5%)

"N" for Non-Inductive wire winding

● Order for a single piece accepted for any resistance value within the standard resistance range



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