

# IRH series (600W ~2.8KW) Metal Clad Resistor



- Up to 2,8K watts
- Excellent Stability
- Impact Resistance
- Good Reliability
- High Power
- Good Heat Dissipation
- Easy Installation
- Rugged Design
- High Consistency

## ■ SPECIFICATIONS

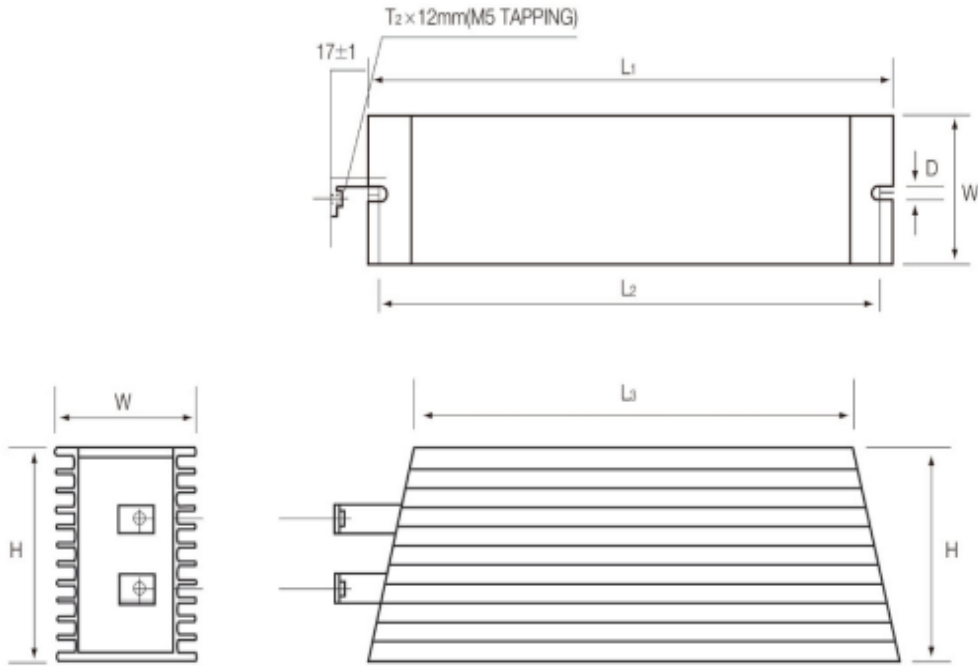
ITEM	SPECIFICATION LIMITS
Operating Temp. Range	-55°C ~ +200°C
Temp. Coefficient	±260ppm/ °C Max
Dielectric Withstanding Voltage	AC2500V, 1min
Insulation Resistance	20MΩminimum
Short-Time overload	±(2% + 0.05Ω) 5 x Wattage rating - 5seconds
Moisture Resistance	±(2% + 0.05Ω) Temp. 40°C, Moisture 95% 1/10 Wattage rating (1.5h ON, 0.5h OFF) – Repeat 500hours
Load Life	±(5% + 0.05Ω) Load Wattage rating(chassis mounted) (1.5Hrs-ON, 0.5h OFF)-Repeat 500hours
Vibration	±(0.2% + 0.05Ω) 10c/s ~ 55c/s ~ 10c/s(1min)-2hr each of paralld and right angle
Moisture Load Life	±(1% + 0.05Ω) 275°C, 2hr

## ■ RATINGS

TYPE	Rated Power		Resistance Range(Ω)		Resistance Tolerance
	On Heatsink	In Free Air	Inductive	Non-Inductive	
IRHA 600	600W	330W	0.1-94	1-20	±0.5% (D) ±1.0% (F) ±2.0% (G) ±5.0% (J) ±10% (K)
IRHA 800	800W	360W	0.1-112	1-24	
IRHA 1000	1000W	400W	0.1-200	1-34	
IRHA 1200	1200W	480W	0.1-250	1-40	
IRHA 1500	1500W	590W	1-250		
IRHA 2000	2000W	660W	1-250		
IRHA 2400	2400W	740W	1-250		
IRHA 2800	2800W	750W	1-250		

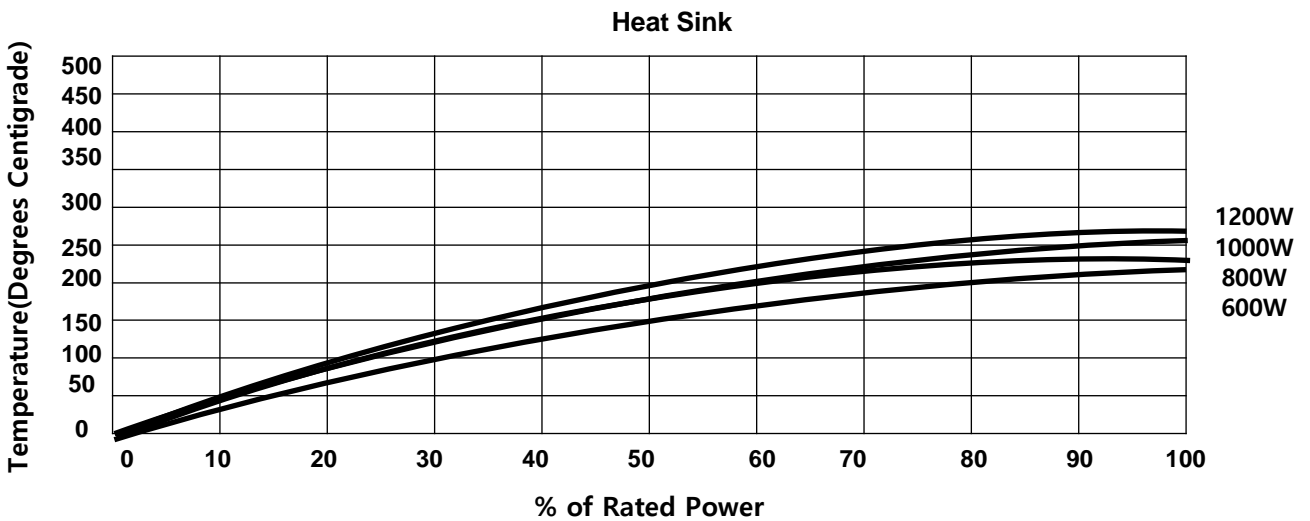
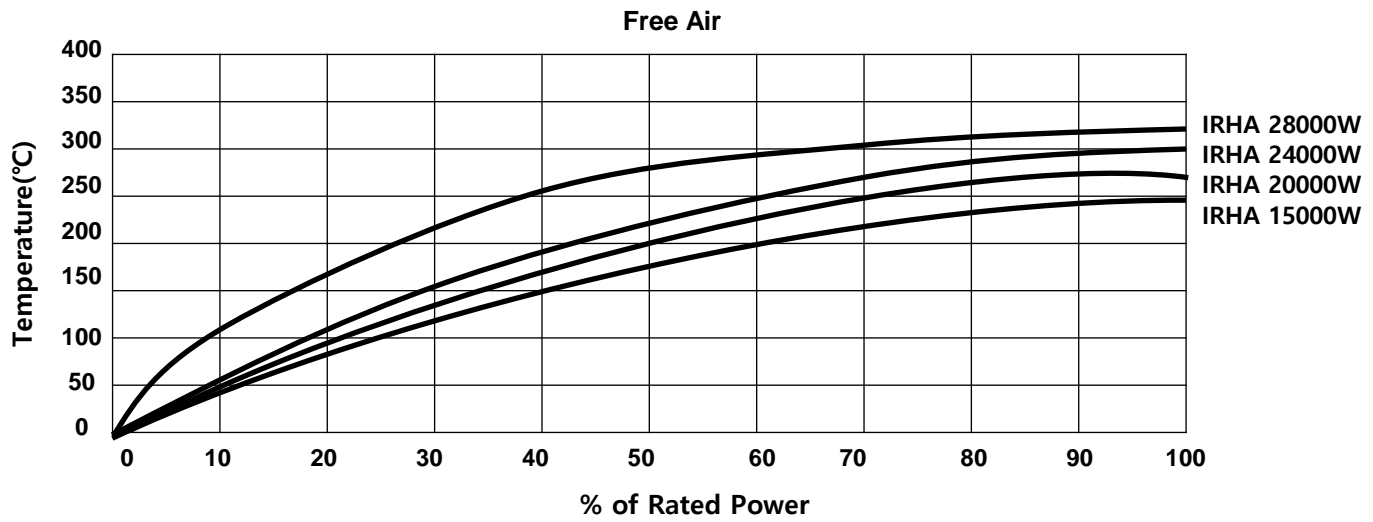
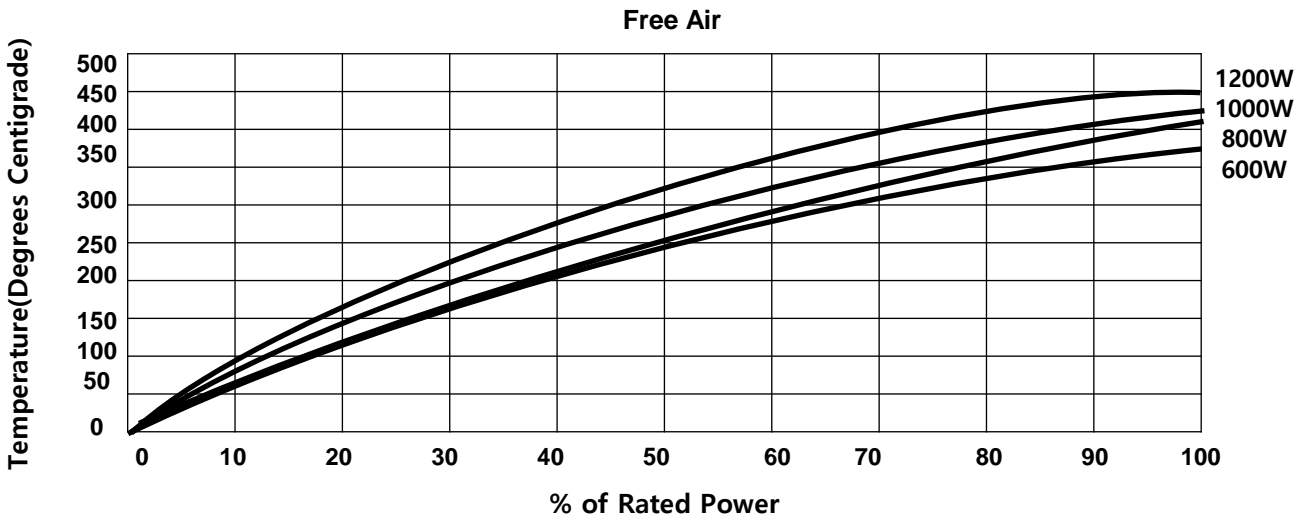
•Values in []mean change in Ω after test

## ■ DIMENSIONS



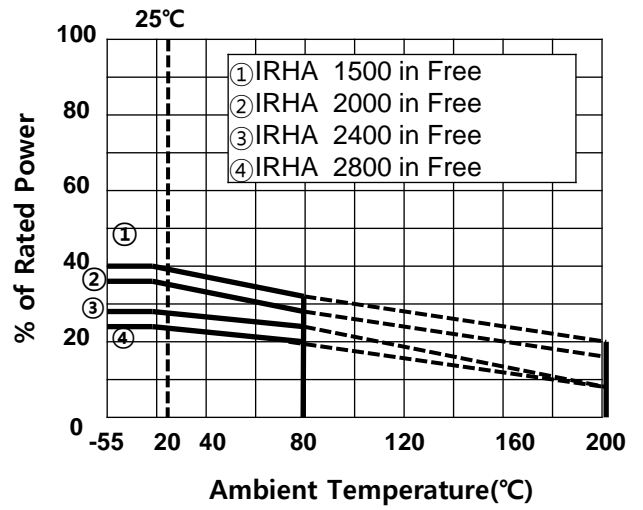
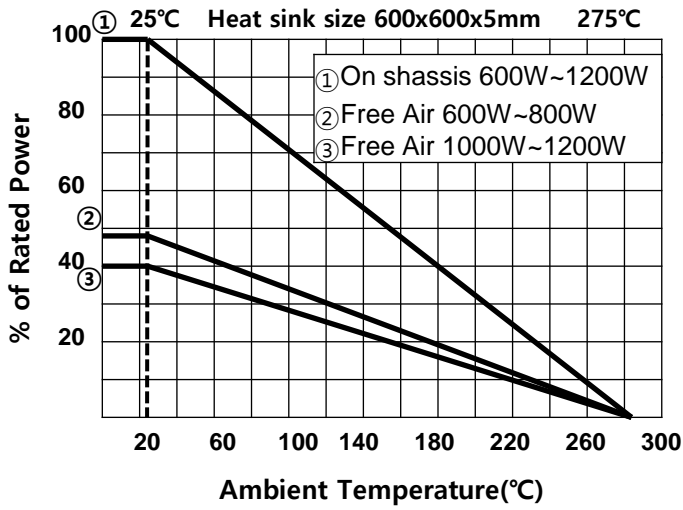
TYPE	DIMENSISONS(mm)						Terminal Specifications (mm)	Weight(g)
	L1±2	L2±2	L3±2	W±0.5	H±0.5	D±0.5		
IRHA 600W	215	203	175	45	85	5.3	2t , M5 Tap	1300
IRHA 800W	265	253	225	45	85	5.3	2t , M5 Tap	1600
IRHA 1000W	335	323	295	45	85	5.3	2t , M5 Tap	1950
IRHA 1200W	335	323	295	60	85	5.3	2t , M5 Tap	2200
IRHA 1500W	415	400	375	60	85	5.3	2t , M5 Tap	2820
IRHA 2000W	440	425	400	60	85	5.3	2t , M5 Tap	3500
IRHA 2400W	480	465	440	60	85	5.3	2t , M5 Tap	3850
IRHA 2800W	550	535	510	60	85	5.3	2t , M5 Tap	4400

# ■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD



(Heat sink size 600x600x5mm)

## ■ POWER DERATING CURVE



## ■ HOW TO ORDER

<b>IRHA1000</b>
TYPE

<b>W/N</b>
WINDING METHOD W: Inductive Type N: Non- Inductive Type

<b>50Ω</b>
NOMINAL RESISTANCE

<b>J</b>
RESISTANCE TOLERANCE

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