

IRV1600-2800 HIGH POWER, WIRE WOUND, METAL CLAD RESISTORS



The IRV1600-2800 (V=vertical) models are our highest power, wire wound, metal clad resistors. These models have an extruded aluminium housing providing strong and rugged protection. Options include flying leads or tab terminals and inductive or non-inductive windings. The most common applications for these models are: motor drives, braking and snubber applications and power sources for industrial equipment. These models are fully RoHS compliant.

SPECIFICATIONS

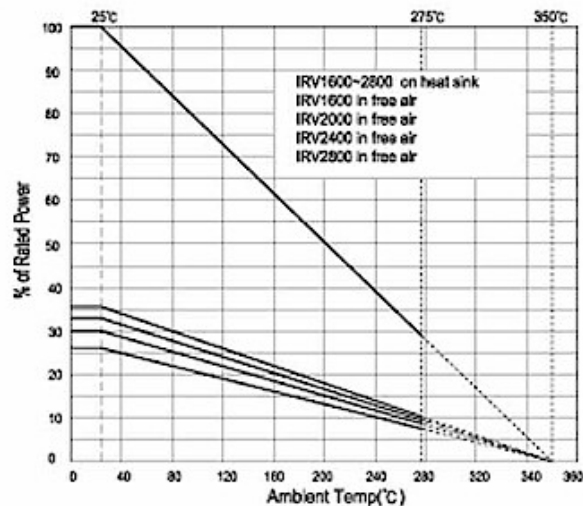
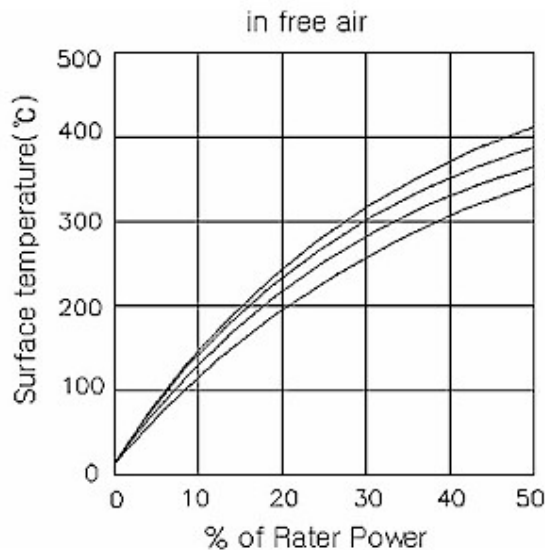
Model	Rated Power		Resistance Range	Resistance Tolerance
	Heat Sink	Free Air	Inductive	
IRV1600	1600W	570W	2.5-78	F[+-01%] J[+-05%] K[+-10%]
IRV2000	2000W	650W	3.2-86	
IRV2400	2400W	720W	4.0-92	
IRV2800	2800W	730W	4.5-96	

CHARACTERISTICS

Values in [] mean change in ohmic value after test

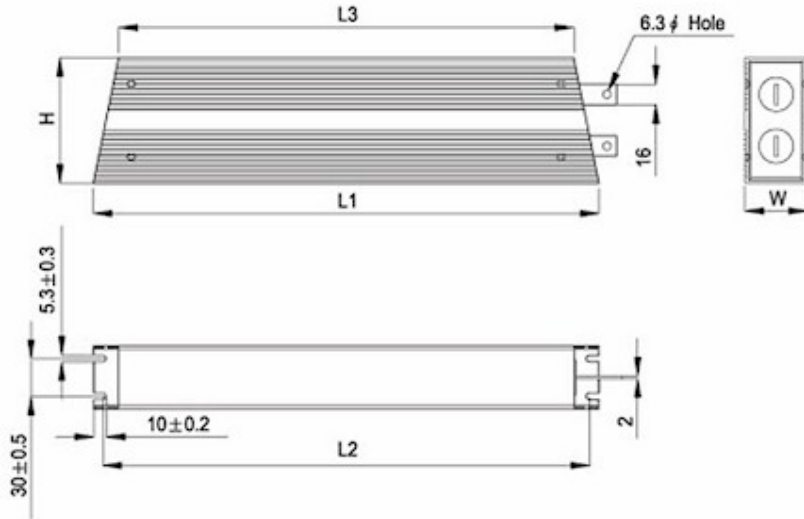
Temperature Range	-55C to +280C	
Insulation Resistance	20MW minimum	
Dielectric Strength	AC1500V, 2500V, 3500V, 4500V for 1 min.; Max. leakage current: 2mA	
Temp. Coefficient	±260ppm/C maximum	
Short Time Overload	±[3%+0.05W]	5-10 X Power rating-5seconds
Moisture Resistance	±[3%+0.05W]	40C, 95% RH, DC100V case to terminal (500hrs.)
Thermal Shock	±[5%+0.05W]	Power rating 30min., -40C, 15minutes
Vibration	±[2%+0.05W]	10Hz-55Hz-10Hz (1min.), 2hrs. each direction
Moisture Load Life	±[3%+0.05W]	40C, 95% RH, 0.1XPower rating, 1.5h. on, 30min. off, 500 hrs.
Load Life	±[5%+0.05W]	Power rating 1.5hr. on, 30min. off, 500hours

SURFACE TEMPERATURE INCREASE VS POWER LOAD & DERATING



DIMENSIONS

Model	Dimensions [mm]					Weight [Kg]
	L1+-2	L2+-2	L3+-2	H+-1	W+-0.5	
IRV1600	330	315	290	100	50	2.5
IRV2000	440	385	360	100	50	3.1
IRV2400	480	465	440	100	50	3.7
IRV2800	550	535	510	100	50	4.3



FLYING LEADS

Model	5.5mm ²	2mm ²	UL3512 AWG14	LKGB-600V 2mm ²
IRV1600	Optional	2.5ohm +	Optional	Optional
IRV2000	Optional	3.2ohm +	Optional	Optional
IRV2400	Optional	4.0ohm +	Optional	Optional
IRV2800	Optional	4.5ohm +	Optional	Optional

ORDERING PROCEDURE EXAMPLE

