

The IRS30, 50 are slim and flat, economical resistors. These models are ideal for applications where space and funds are at a premium. The most common applications for these models are: Motor drives, braking and snubber applications and power sources for industrial equipment.

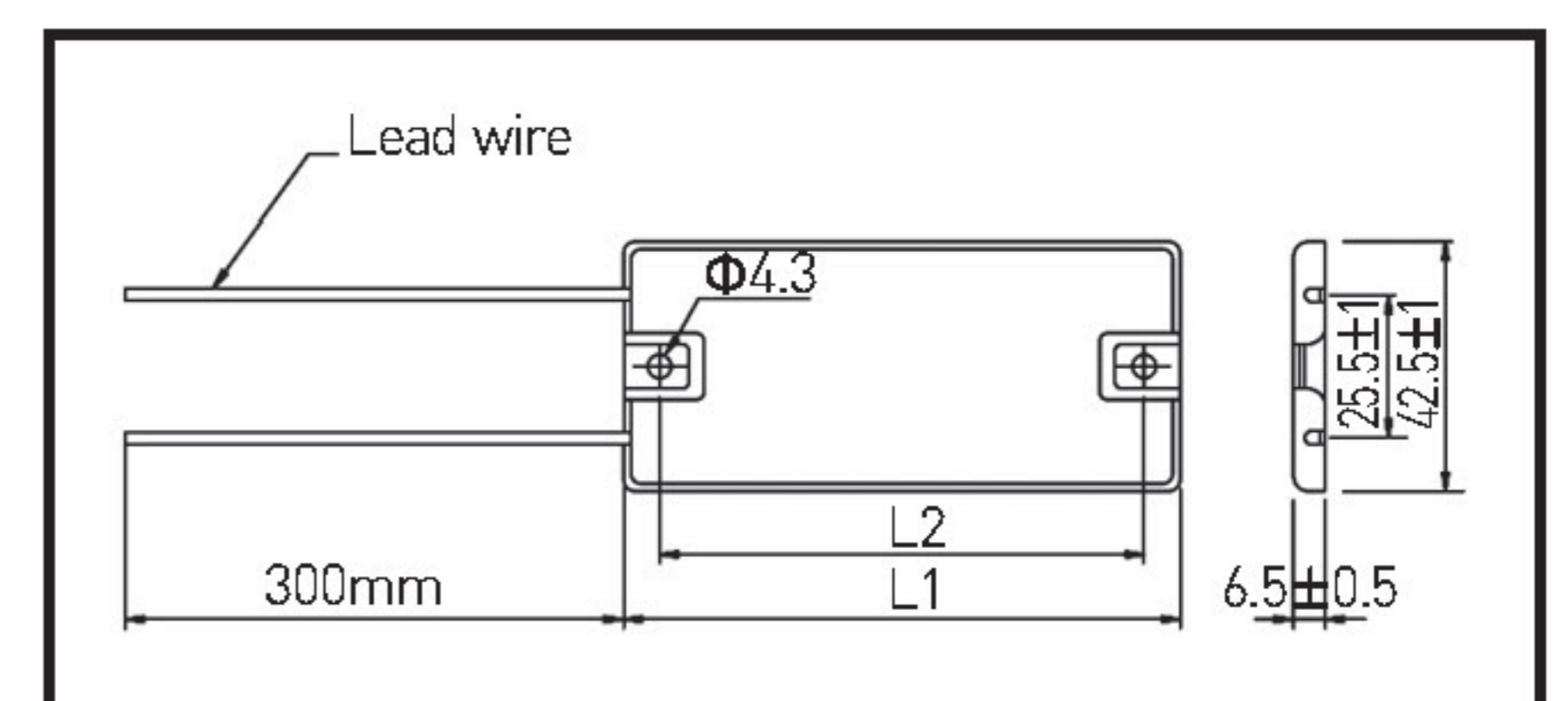
### GENERAL SPECIFICATIONS

Model	Rated Power on Heat Sink	Resistance Range[Ω]	Resistance Tolerance (%)
IRS 30	30W	1 ~ 420	D [±0.5], F [±1.0], G [±2.0], J [±5.0], K [±10]
IRS 50	50W	1 ~ 500	



### DIMENSIONS [mm]

Model	Dimensions [mm]		Weight [g]
	L1±1	L2±1	
IRS 30	65	57	65
IRS 50	90	78	50

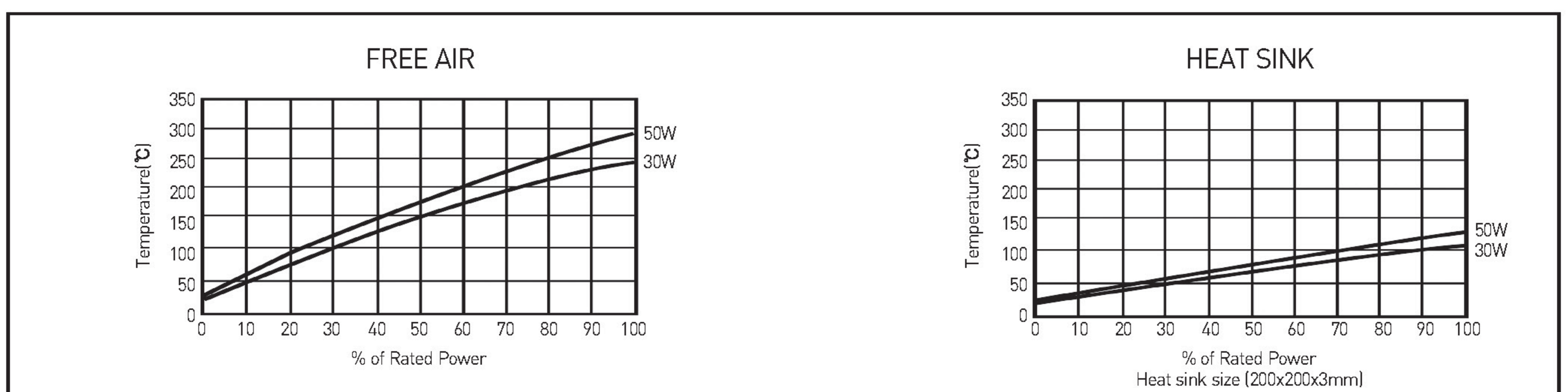


### CHARACTERISTICS

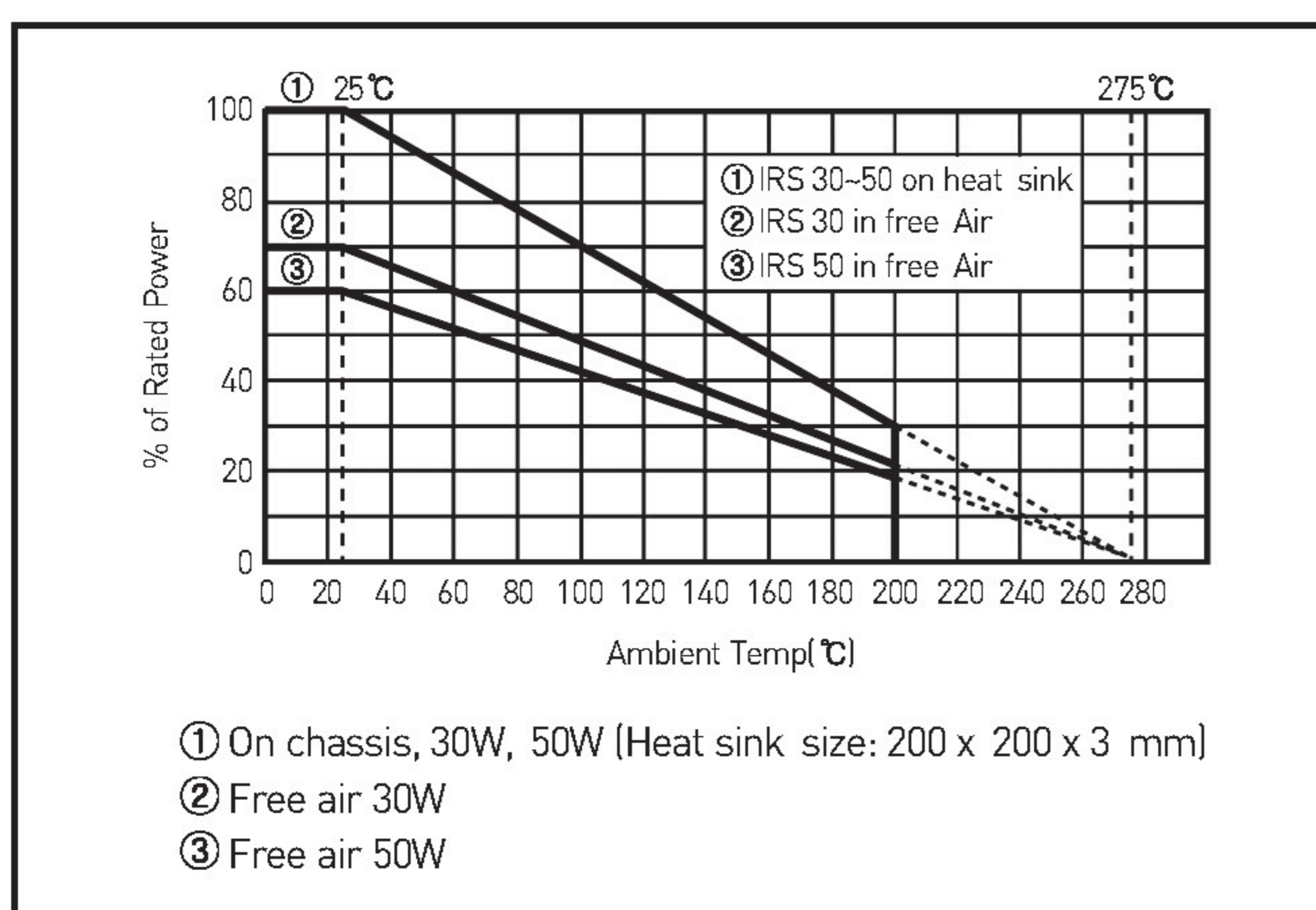
Values in [ ] mean change in Ω after test

Temperature Range	-55°C to 200°C	
Insulation Resistance	20MΩ minimum	
Dielectric Withstanding Voltage	Available options: AC1500V, 2500V, maximum. leakage current: 2mA	
Temp. Coefficient	±260ppm/°C maximum	
Short Time Overload	±[2%+0.05Ω]	5 x Power rating 5 sec.
Thermal Shock	±[2%+0.05Ω]	Power rating 30 minutes, -25°C 15 minutes
Load Life	±[5%+0.05Ω]	Power rating 1.5 hours on, 30 minutes off, 500 hours

### SURFACE TEMPERATURE INCREASE VS. POWER LOAD



### DERATING CURVES



### ORDERING PROCEDURE EXAMPLE

