IRS

DYNAMIC BRAKING 30 W TO 50 W

The IRS30 and IRS50 are low profile, economical resistors. These models are ideal for higher volume applications where cost and space savings are crucial. Applications for these resistors include dynamic braking in motor drives, snubber circuits and power sources for industrial equipment.

GENERAL SPECIFICATIONS

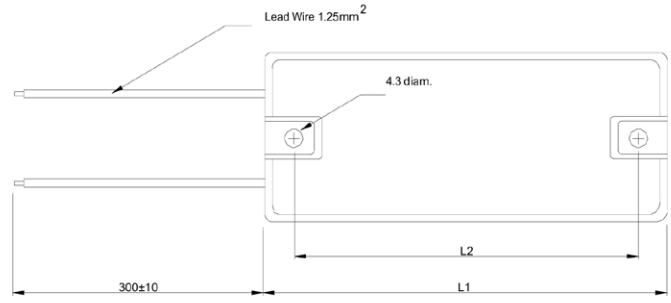
Model	Rated Wattage On Heat Sink	Resistance Range (Ω)	Resistance Tolerance (%)
IRS30	30W	1-420	±0.5 (D) ±1.0 (F) ±5.0 (J) ±10 (K)
IRS50	50W	1-500	

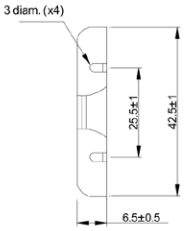
CHARACTERISTICS

Temperature Range	-55 to 200°C
Insulation Resistance	20MΩ
Dieletric Strength	1500VAC is stnd.; 2500VAC available, Max. leakage current: 2mA
Temp. Coefficient	±260ppm/°C
Short Time Overload	±[2%+0.05Ω] 5 x power rating-5 seconds
Thermal Shock	±[2%+0.05Ω] Power rating-30 min., -25°C-15 min.
Load Life	±[5%+0.05Ω] Power rating 1.5 hours on, 30 minutes off, 500 hours

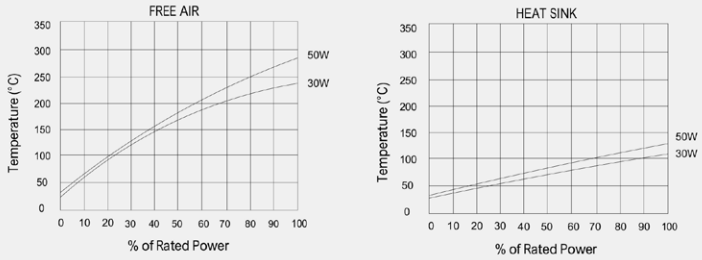
DIMENSIONS

Model	Dimensions [mm] L1±1	Dimensions [mm] L2±1	Weight [g]
IRS30	65	57	65
IRS50	90	78	50

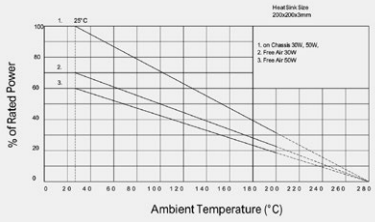




Surface Temperature Increase Versus Power Load



Derating Curve and Ordering Procedure Example



IRS (Model) 50 (Wattage) 5Ω (Resistance) J (Tolerance)