

IRS series

Metal Clad Resistor



- Rated Power Range: 50W
- Rated Resistance Value: 1R-500R
- TCR: $\leq 300\text{ppm}/^\circ\text{C}$
- Tolerance: 2%, 5%, 10%
- Aluminum Shell For Good Heat Dissipation Ability
- Small Size With High Power

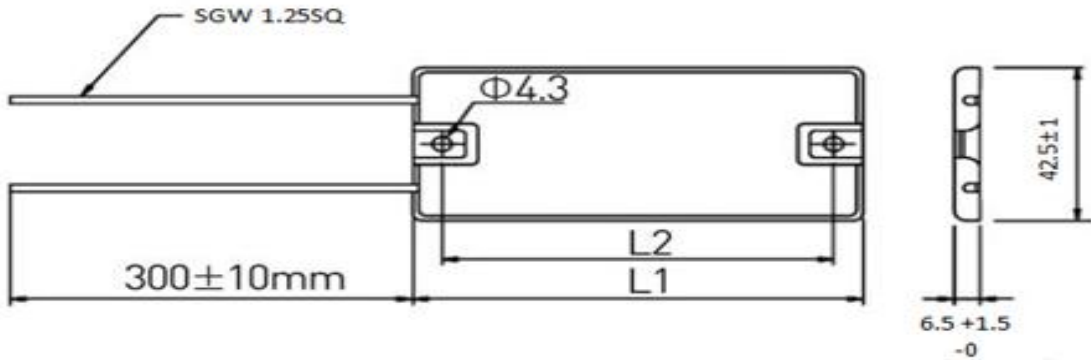
■ SPECIFICATIONS

ITEM	Specifications	
Temperature Range		-55°C ~ +200°C
Insulation resistance		20MΩ minimum
Withstand voltage		1500VAC, 5s
Short Overload	$\pm(2.0\% + 0.05\Omega)$	5 x Power rating . 5seconds
Thermal Shock	$\pm(2.0\% + 0.05\Omega)$	Power rating 30 minutes, -25°C, 15 minutes
Load Life	$\pm(5.0\% + 0.05\Omega)$	Power rating 1.5 hours on, 30 minutes off, 500 hours

■ RATINGS

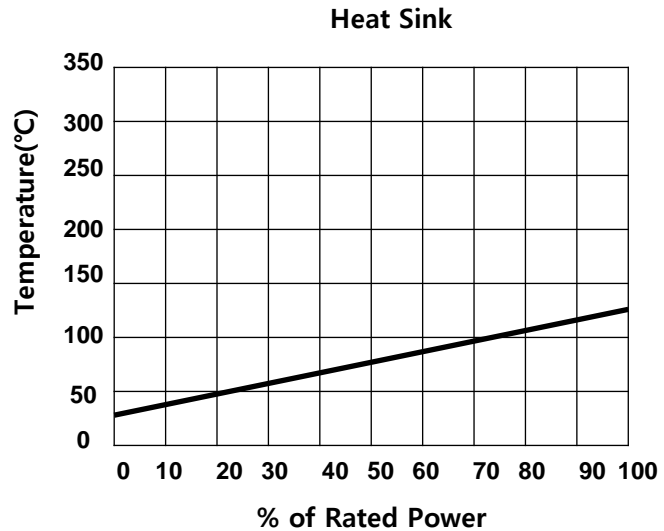
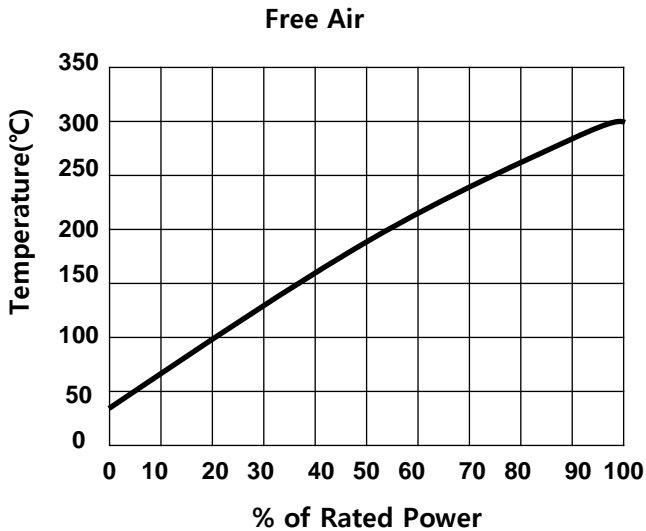
Type	Rated power (W) on Heat Sink	Resistance range (Ω)	Tolerance	Cable Spec
IRS 50	50	1R-500	$\pm 1\%$ (F) $\pm 2\%$ (G) $\pm 5\%$ (J)	SGW 1.25SQ 300mm ± 10

■ DIMENSIONS

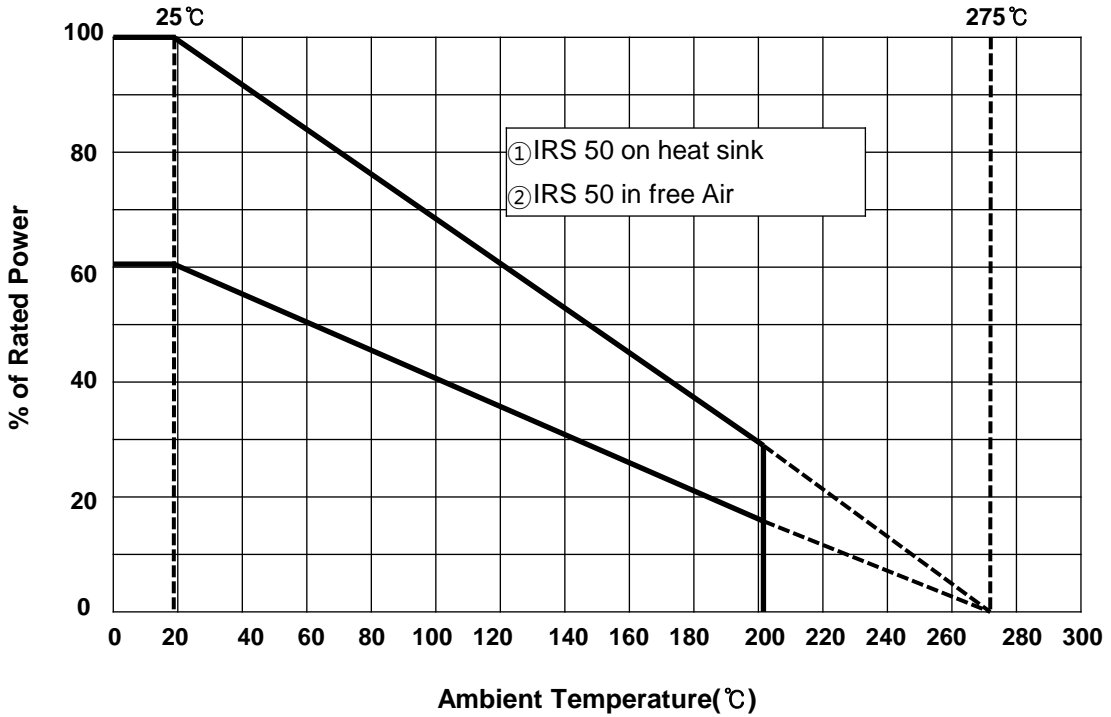


Type	Dimensions(mm)		Weight(g)
	$L1 \pm 1$	$L2 \pm 1$	
IRS 50W	90	78	55

■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD



■ DERATING CURVES



- ① On chassis 50W (Heat sink size : AL 200x200x3mm)
- ② Free Air 50W

■ HOW TO ORDER

IRS	50W	30Ω	J
TYPE	POEWR RATING	RESISTANCE	TOLERANCE ±1% ±5%

www.resistors.co.kr

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