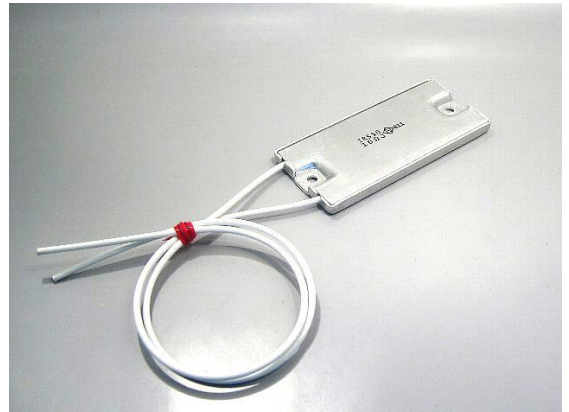


30W, 50W Wire Wound Resistors

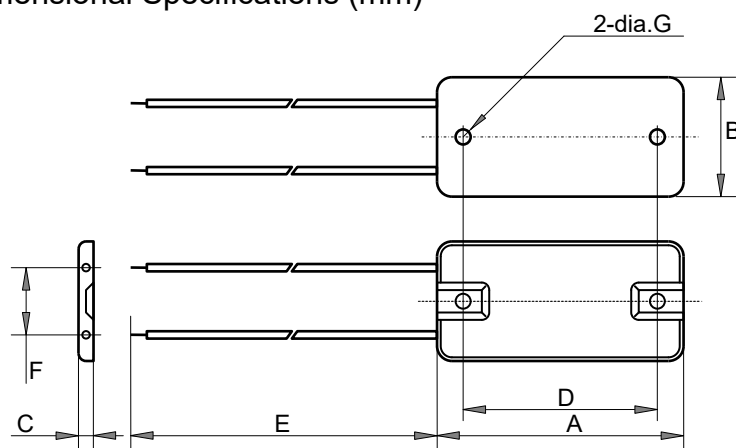
IRS30, IRS50



Features and Applications

- Very thin, 6mm thick, light-weight wire wound power resistor.
- 50W rating power, panel mounting.
- Excellent installation space factor.
- Surge protection in power source.
- Braking resistor and dumping resistor for motor control.

Dimensional Specifications (mm)



Note: Lead Wires: 1.25mmsq, 23A at 60C

Dimensions (mm)

Symbol	IRS30	IRS50
A	65+/-1	90+/-1
B	42.5+/-1	42.5+/-1
C	6.5+/-0.5	6.5+/-0.5
D	57+/-1	78+/-1
E	300	300
F	25.5+/-1	25.5+/-1
G	4.3	4.3
Weight	50gr	65gr

Specifications and Performances

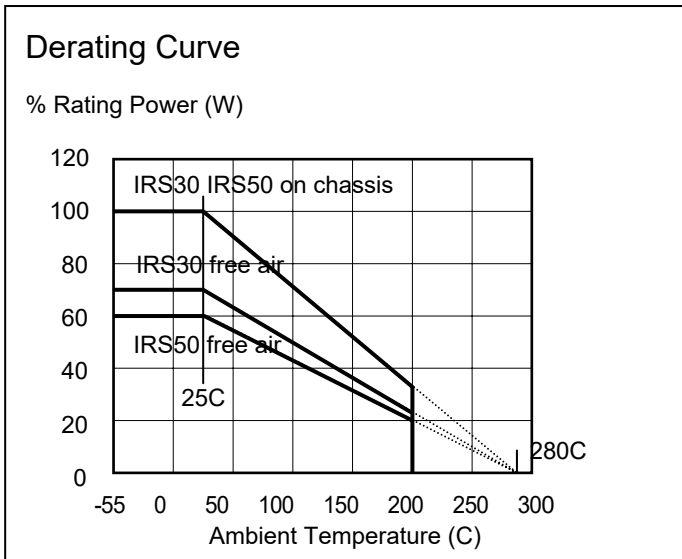
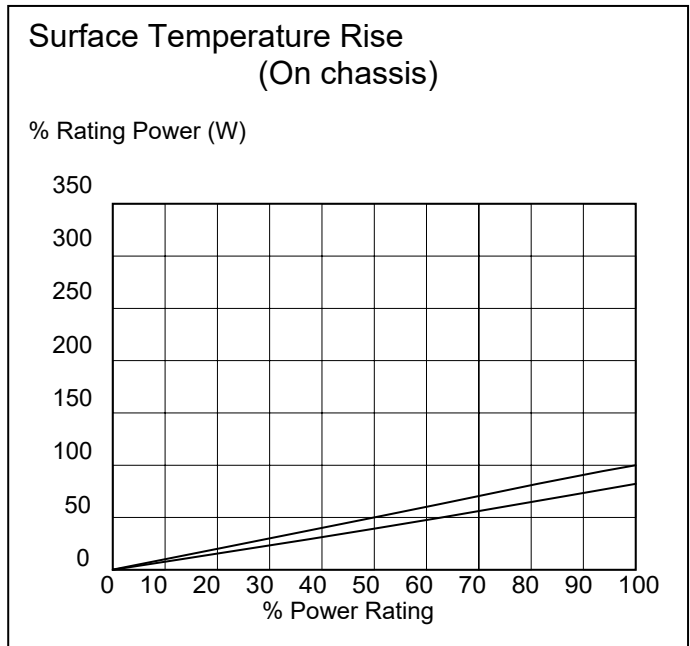
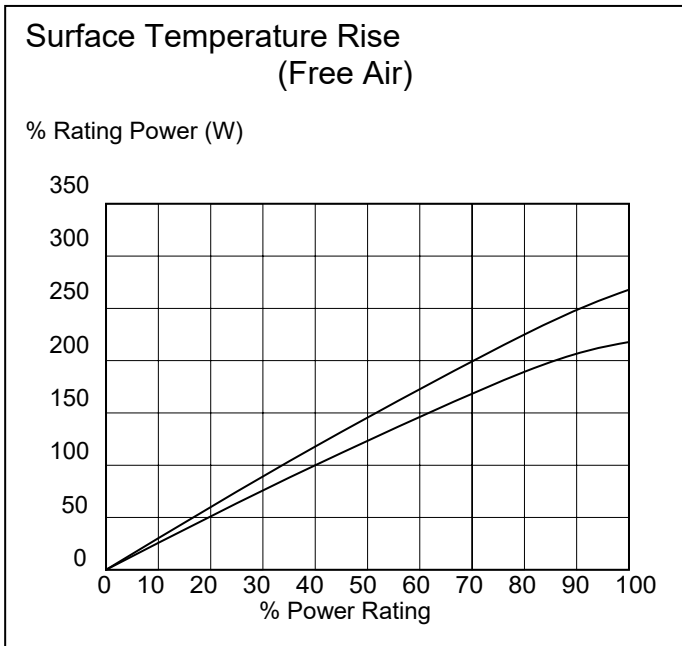
Type	Specifications		Test Method
	IRS30	IRS50	
Rating Power	30W	50W	With 200×200×3mm Heat sink.
Rating Power	21W	37.5 Watts	Free air.
Resistance Range	1Ω to 420Ω	1Ω to 500Ω	
Absolute TCR	±260ppm/K		
Absolute Tolerance	±0.5%(D), 1.0%(F), 2.0%(G), 5%(J)		
Short Time Overload	±2%		Rating Power ×5, 5 seconds
Thermal Shock	±2%		200C/-55C
Load Life	±5%		Rating power 90min. ON, 30min. OFF, 500H
Withstanding Voltage	1500 VAC (2500V available)		60 seconds, leakage 2mA
Insulating	20 MΩ		At 1000 Volts
Operating Temp. Range	-55~+200C		
Storage Temp. Range	-55~+200C		

30W, 50W Wire Wound Resistors

IRS30, IRS50

Ordering Information

Model IRS30	Resistance 50 OHM	Tolerance J	Packaging Z00	Insulating Volt. 1500V
IRS30	1 OHM	J (5%)	Z00 (bulk)	1500V
IRS50	450 OHM	F (1%)		3000V
		D (0.5%)		4500V



Notes:
 (1) IRS30 and IRS50 will be mounted on metal chassis in operation.
 (2) Characteristics of temperature rise and power derating was measured as mounting on our standard chassis, aluminum plate of 200*200*3 mm.