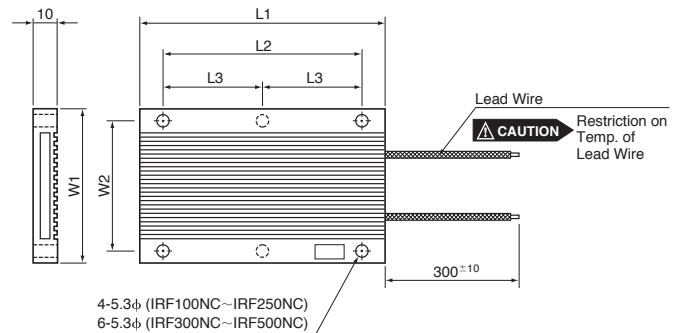
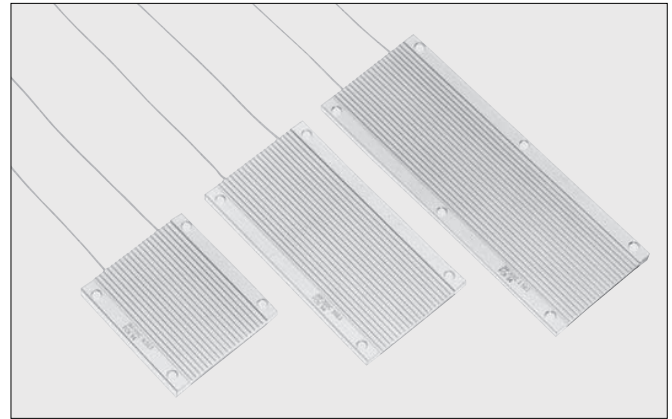


FLAT TYPE METAL CLAD WIRE-WOUND RESISTORS

IRF

Type	Wattage Rating (W)		Resistance Range (V)	Resistance Tolerance (%)	MAX. Over Load (V)	Weight (g)
	Chassis Mounted	Free air				
IRF 100 NC	100	50	1~560	±0.5(D) R≥10Ω	530	155
IRF 150 NC	150	75	1~803		770	200
IRF 200 NC	200	100	1~1040	±1 (F)	1000	245
IRF 250 NC	250	125	1~1350	±2 (G)	1300	290
IRF 300 NC	300	150	1~1590	±5 (J)	1500	335
IRF 400 NC	400	200	1~2270	±10 (K)		430
IRF 500 NC	500	250	1~2800			525

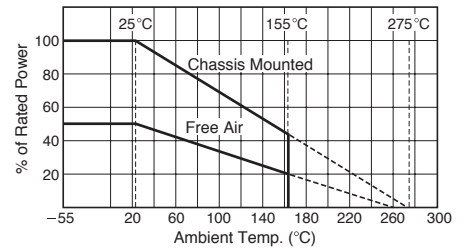
Operating Temp. -55°C~+155°C



Type	Dimensions (mm)				Lead Wire	
	L1±1	L2±0.5	W1±0.5	W2±0.5	1.25mm ²	2mm ²
IRF 100NC	90	70	80	70	1Ω~	-
IRF 150NC	120	100	80	70	1Ω~	-
IRF 200NC	150	130	80	70	4.1Ω~	1~4Ω
IRF 250NC	180	160	80	70	5.1Ω~	1~5Ω
IRF 300NC	210	190	80	70	6.1Ω~	1~6Ω
IRF 400NC	270	250	80	70	8.1Ω~	1~8Ω
IRF 500NC	330	310	80	70	10.1Ω~	1~10Ω

L3=L2/2

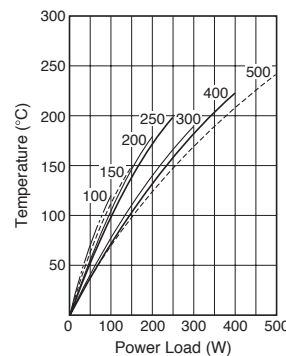
Ambient Temp. Derating Curve



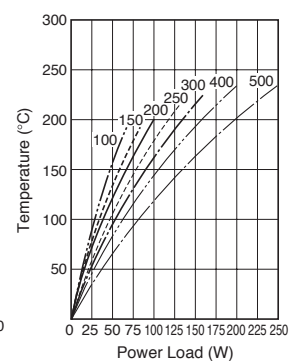
Performance

Parameters	Test Condition	Specification
Dielectric Strength	AC1500V★ 1min	±(1%+0.05Ω)
Short Time Over Load	5×Wattage Rating 5sec	±(1%+0.05Ω)
Insulation Resistance	DC500V	20MΩ Min.
Temp. Coefficient	+25°C~+155°C	±260ppm/°C
High Temp. High Moisture	JIS C 5201-1 4.24	±(5%+0.1Ω)
Thermal Shock	-55°C · +155°C 5 Cycles	±(1%+0.05Ω)
Load Life	Wattage Rating (1.5Hr ON-0.5Hr OFF) 500Hr	±(5%+0.1Ω)

Surface Temperature versus Power Load (on Chassis)



Surface Temperature versus Power Load (Free Air)



How to order

IRF500NC **100Ω** **J** **400°C**
 Type Resistance Tolerance Lead Wire

- None : Restriction on Temp. of Lead wire. +180°C MAX (Standard)
- 220°C : Restriction on Temp. of Lead wire. +220°C MAX
- 400°C : Restriction on Temp. of Lead wire. +400°C MAX

● Standard Resistance E-24 Series J (±5%)
 ★ If required, Dielectric Withstanding Voltage; AC2500V, AC3000V & AC4500V are available.

Test Chassis Dimensions (mm)
 IRF100NC~IRF250NC
 Aℓ 305×305×3t
 IRF300NC~IRF500NC
 Aℓ 400×400×3t

Standard Resistance (Stock)

IRF300NC	1	10	30	50	60	100 (Ω)	±5%
IRF500NC	1	10	30	50	60	100 (Ω)	±5%



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