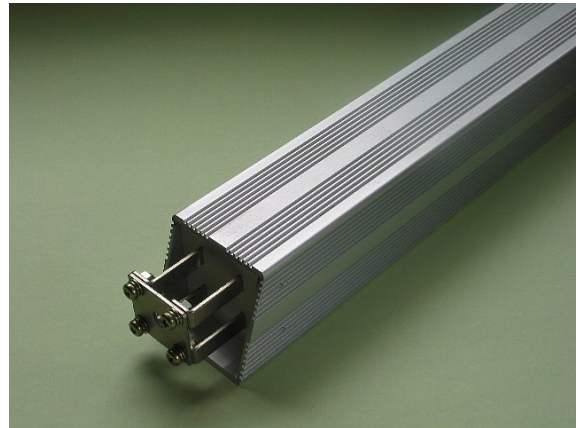


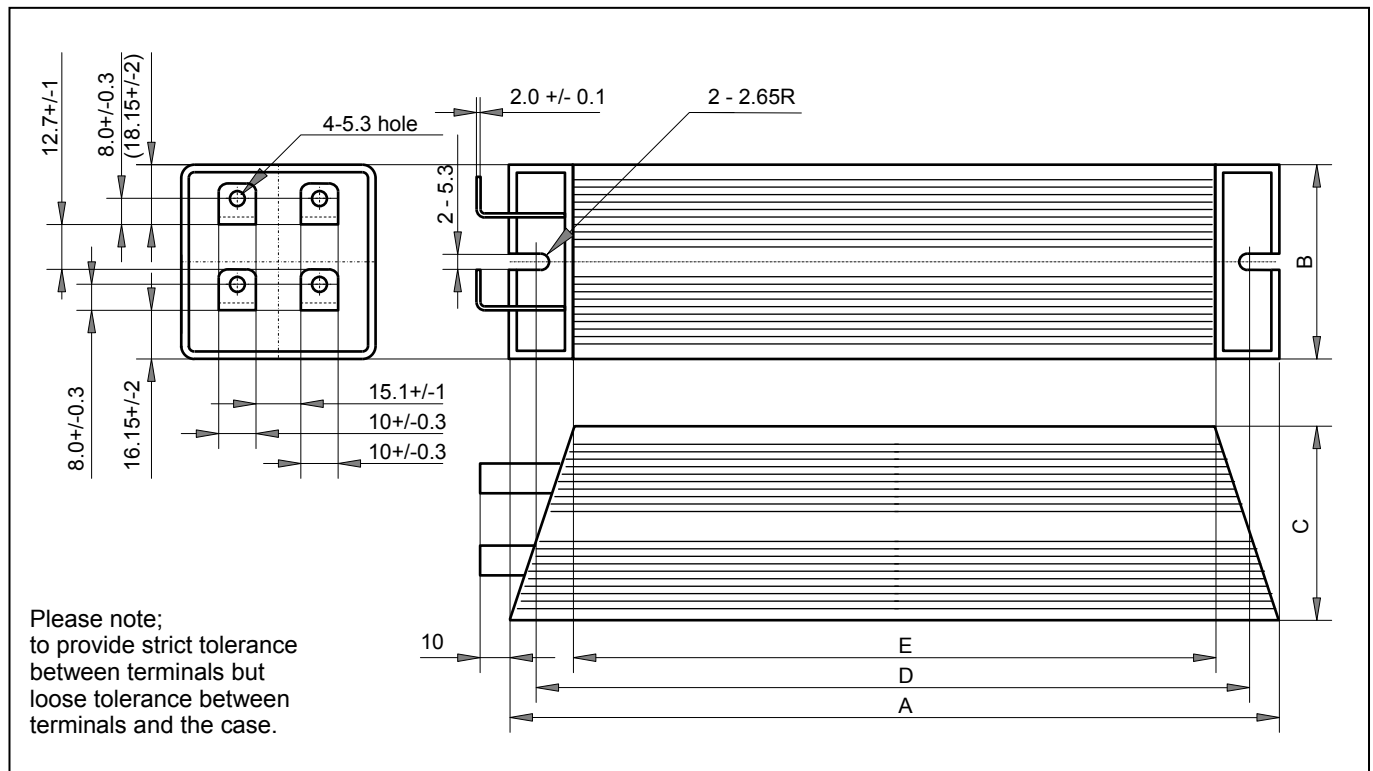
600, 800, 1000, 1200 W
 Metal Clad Wire Wound Resistors
 IRV600, IRV800, IRV1000, IRV1200
 ULV600, ULV800, ULV1000, ULV1200



Features and Applications

600W to 1200W (on chassis) metal clad giant current durable wire wound resistors.
 Minimum resistance value of 0.1 ohm inductive and non inductive are available.
 Good heat conductive aluminum housed, full welding structure, no burn insulation and excellent space factor for installation.
 Current detection, motor control, recycle braking resistor, filter resistor and dumping resistor of the power electronics..

Dimensions (mm)



	A	B	C	D	E	Flying Lead 8mm ²	Flying Lead 5.5mm ²
ULV/IRV600	±2	±0.5	±0.5	±2	±2	0.1Ω~0.99Ω	≥ 1Ω
ULV/IRV800	235	61	59	216	195		
ULV/IRV1000	286	61	59	266	245		
ULV/IRV1200	335	61	59	316	295		

600, 800, 1000, 1200W Metal Clad Wire Wound Resistors

IRV600, IRV800, IRV1000, IRV1200, ULV600, ULV800, ULV1000, ULV1200

Ordering Information

Type & Power IRV1200	Connection P	Ind./non-ind. N	Resistance 50 OHM	Tolerance J	Terminals L	Voltage 1500V
IRV600	P (parallel)	--- (inductive)	Any value	+/-0.5% (D)	L (metal)	3500V
IRV800	S (series)	N (non-ind.)		+/-1.0% (F)	FL (Fly wire)	4500V
IRV1000				+/-5.0% (J)		5400V
IRV1200				+/-10% (K)		
ULV600						
ULV800						
ULV1000						
ULV1200						

Note: Tolerance +/-5%(J) is standard.

Rated Power and Resistance

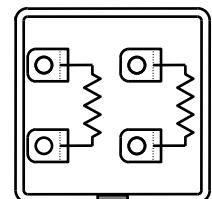
Type	Rated Power, On chassis	Rated Power, Free	Instant Power	Connection	Inductive /Non-inductive	Resistance Range (ohms) *1
ULV/IRV600	600W	300W	6KW	Parallel	Inductive	0.1 – 9.0
					Non-inductive	0.1 – 5.3
				Series	Inductive	9.1 - 94
					Non-inductive	5.4 – 21.2
ULV/IRV800	800W	400W	8KW	Parallel	Inductive	0.1 – 11.0
					Non-inductive	0.1 – 7.2
				Series	Inductive	11.1 – 112
					Non-inductive	7.2 – 28.8
ULV/IRV1000	1000W	400W	10KW	Parallel	Inductive	0.1 – 18.0
					Non-inductive	0.1 – 9.0
				Series	Inductive	18.1 - 140
					Non-inductive	9.1 - 36
ULV/IRV1200	1200W	480W	12KW	Parallel	Inductive	0.1 – 25
					Non-inductive	0.1 – 12
				Series	Inductive	25.1 - 160
					Non-inductive	12.1 - 48.0

Note *1: For out of resistance range please call factory.

Terminal connections

The resistor has four terminals as shown in figure, which are connected one resistor element to a pair of terminal.

Two resistors are connected as either Parallel or Series. The total resistance are specified as IRV series Resistance.

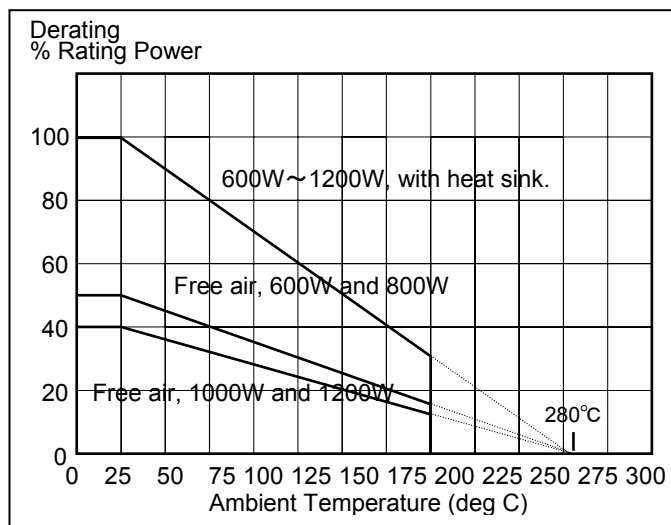
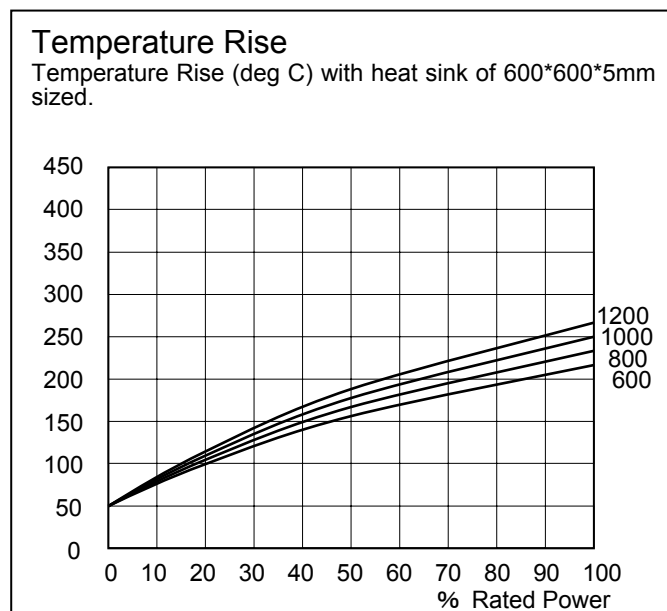
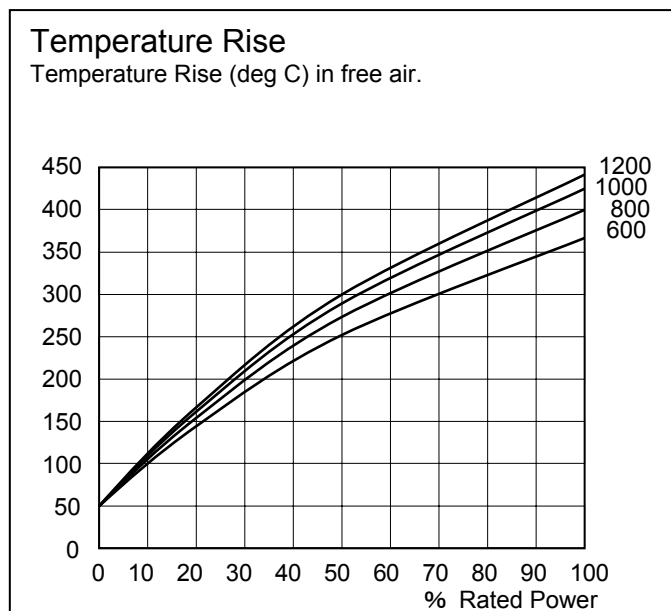


600,800,1000,1200W Metal Clad Wire Wound Resistors

IRV600, IRV800, IRV1000, IRV1200, ULV600, ULV800, ULV1000, ULV1200

Specifications and Performances

	Specifications				Remarks
Model	ULV/IRV600	ULV/IRV800	ULV/IRV1000	ULV/IRV1200	
Weight	1165gr	1500gr	1835gr	2304gr	
Absolute Tolerance	±0.5%(D), ±1.0%(F), ±5.0%(J), ±10.0%(K)				Standard:±5.0%(J)
Withstanding Voltage	1500 VAC, Optional 3500 VAC, 4500 VAC, 5400 VAC are available.				2mA leakage current
Insulating Resistance	minimum 20 MΩ				at 1000 Volts
Operating Temperature Range	-55 to +200 deg C				
Storage Temperature Range	-55 to +200 deg C				



Note:

- (1) Resistor terminal have not metal short bar that makes series or parallel connection.
- (2) Flying lead terminals are available. Please call factory: info@nikkohm.co.jp.
- (3) Please request specification sheet at ordering. The sheet will help not to misunderstanding about actual specifications.