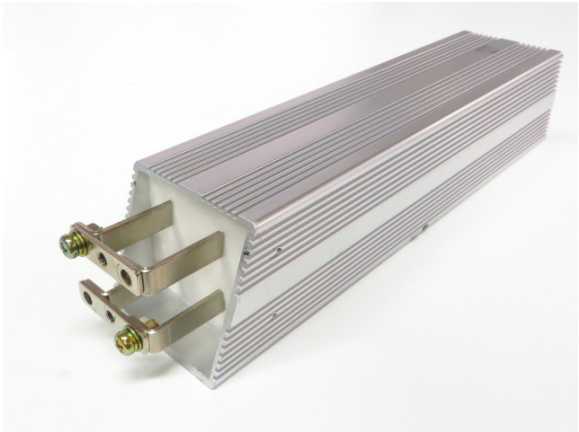


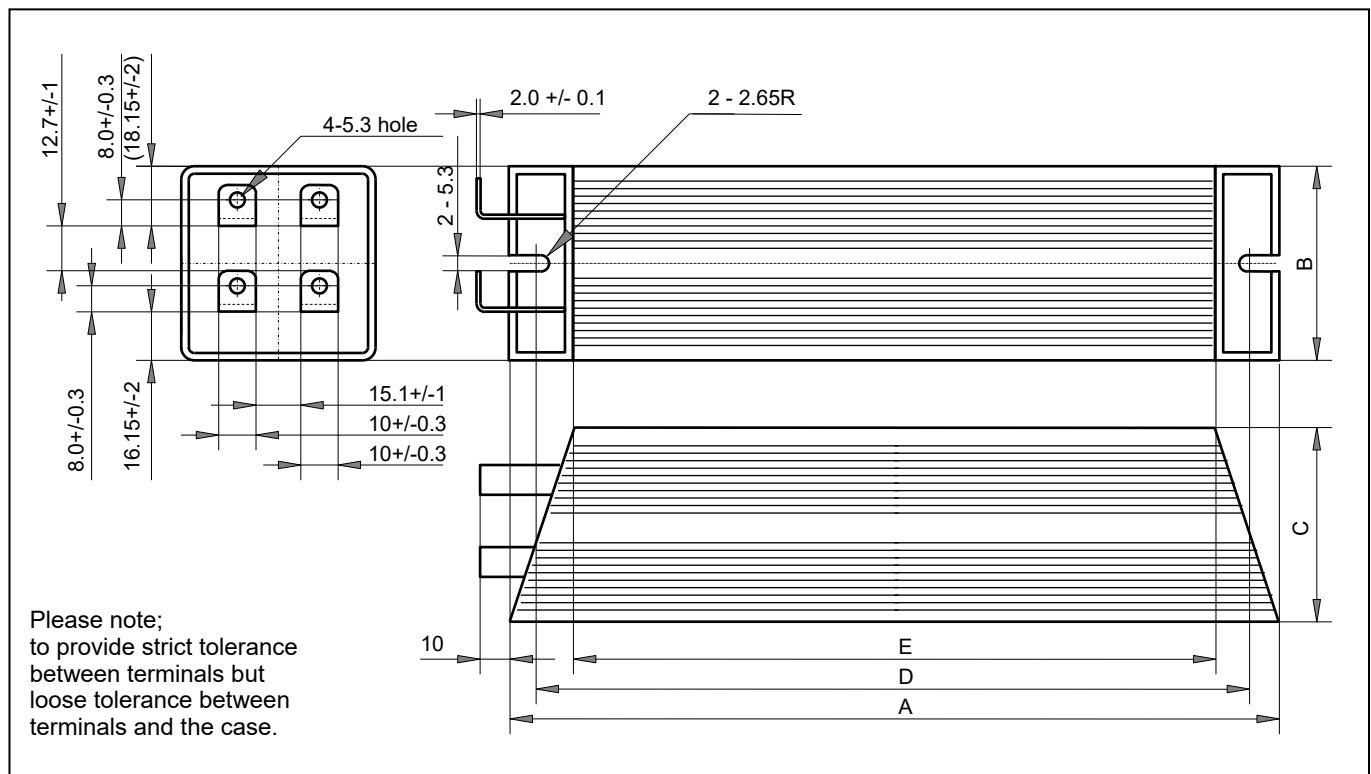
600, 800, 1000, 1200 W
 Metal Clad Wire Wound Resistors
 IRV600, IRV800, IRV1000, IRV1200
 ULV600, ULV800, ULV1000, ULV1200



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 and dumping resistor of the power electronics..

Dimensions (mm)



	A	B	C	D	E	Flying Lead 8mm ²	Flying Lead 5.5mm ²
IRV600/ULV600	±2	±0.5	±0.5	±2	±2	0.1Ω~0.99Ω	≥ 1Ω
IRV800/ULV800	235	61	59	216	195		
IRV1000/ULV1000	286	61	59	266	245		
IRV1200/ULV1200	335	61	59	316	295		
	405	61	59	386	365		

600,800,1000,1200 W 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/ULV	P (parallel)	--- (inductive)	Any value	+/-0.5% (D)	L (metal)	3500V
IRV800/ULV	S (series)	N (non-ind.)		+/-1.0% (F)	FL (Fly wire)	4500V
IRV1000/ULV				+/-5.0% (J)		5400V
IRV1200/ULV				+/-10% (K)		

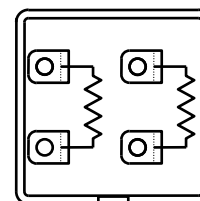
Note: Tolerance +/-5%(J) is standard.

Power and Resistance

Type	Rated Power, On chassis	Rated Power, Free	Instant Power	Connection	Inductive /Non-inductive	Resistance Range (ohms)
IRV600 ULV600	600W	300W	6KW	Parallel(P)	Inductive	0.1 – 9.0
					Non-inductive	0.1 – 5.3
				Series(S)	Inductive	9.1 - 94
					Non-inductive	5.4 – 21.2
IRV800 ULV800	800W	400W	8KW	Parallel(P)	Inductive	0.1 – 11.0
					Non-inductive	0.1 – 7.2
				Series(S)	Inductive	11.1 – 112
					Non-inductive	7.2 – 28.8
IRV1000 ULV1000	1000W	400W	10KW	Parallel(P)	Inductive	0.1 – 18.0
					Non-inductive	0.1 – 9.0
				Series(S)	Inductive	18.1 - 140
					Non-inductive	9.1 - 36
IRV1200 ULV1200	1200W	480W	12KW	Parallel(P)	Inductive	0.1 – 25
					Non-inductive	0.1 – 12
				Series(S)	Inductive	25.1 - 160
					Non-inductive	12.1 - 48.0

Terminal connection

As shown in the figure on the right, the IRV resistor has four metal plate L-shaped terminals, and one resistor winding element is connected to one pair of two terminals. The nominal resistance value of IRV resistors is to be connected two resistance windings in parallel or in series. Total resistance value shows in parallel or in series.



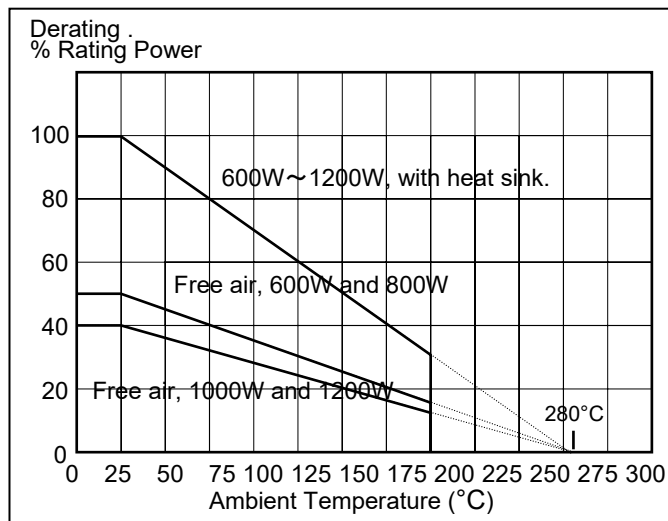
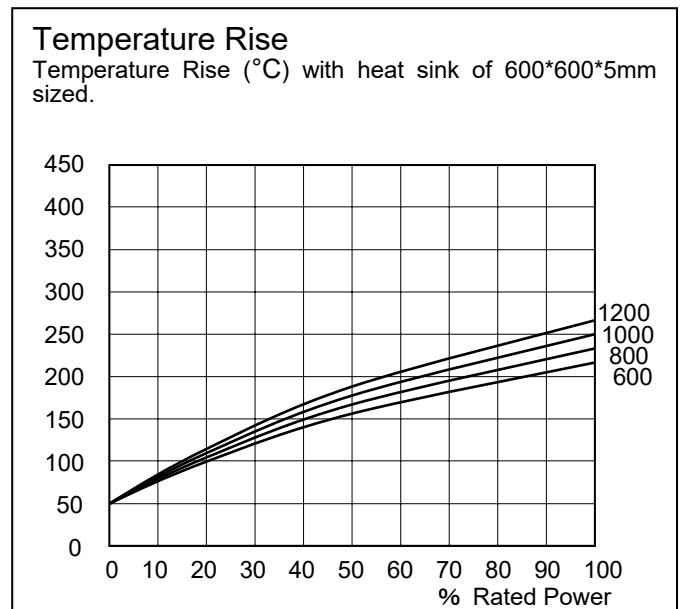
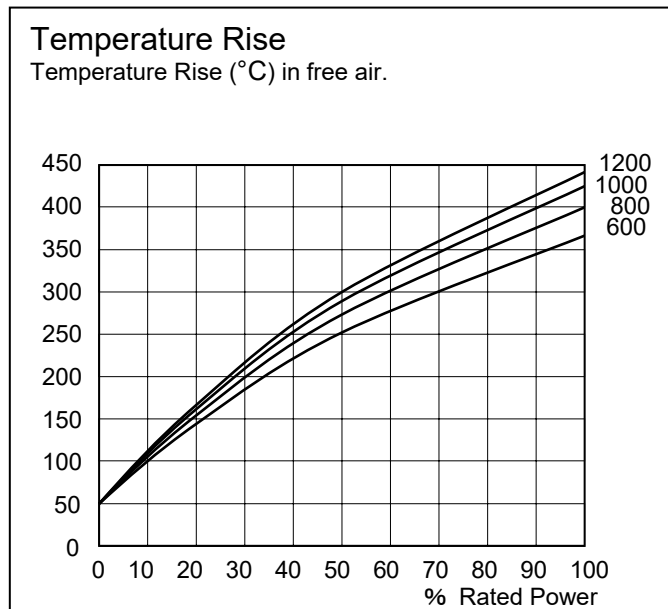
For example, the IRV1200S(S shows series) has two internal resistance elements. When the nominal resistance of IRV1200S (showing series) is 10 ohms, the resistance value is exactly 10 ohms when used in series. The resistance of one internal resistance element estimates about 5 ohms, and series external connection makes the combined resistance of 10 ohms. However, though parallel connection may think to be made around 2.5Ω, but synthetic resistance does not guarantee as 2.5Ω. It is necessary to use in series. Performance can not be guaranteed if connected in parallel.

The specifications for two-element composition are specified, and the specifications for individual internal elements are not guaranteed.

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

Specifications and Performances

	Specifications				Remarks
Model	IRV600 ULV600	IRV800 ULV800	IRV1000 ULV1000	IRV1200 ULV1200	
Weight	1165gr	1500gr	1835gr	2304gr	
Absolute Tolerance	±0.5%(D), ±1.0%(F), ±2.0%(G), ±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	20 MΩ				At 1000 Volts
Operating Temperature Range	-55°C~+200°C				
Storage Temperature Range	-55°C~+200°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.