

Precision Metal Clad Shunt

Precision Metal Clad Resistors designed in four-terminal technique, are distinguished by high load capacity as well as excellent accuracy. Isolated voltage and current connections making them suitable for very precise current measurements. The simple four port Kelvin design ensures easy installation on large current bus bars. Units have a low inductance, heavy copper terminals. The main application is battery manufacturing test jig. **Application include** : Battery manufacturing test jig, current detection in precise power sources, constant current sources, industrial power conversion circuits, HEVs, fuel cells and constant electronic loads



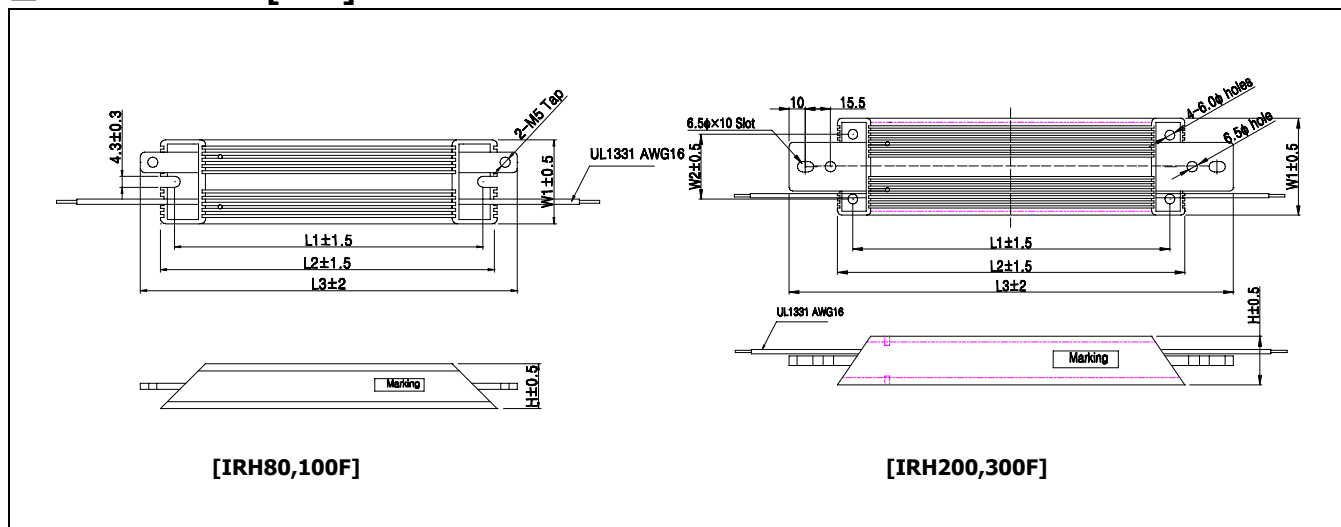
GENERAL SPECIFICATION

Model	Rated Current[A]	Rated Voltage[V]	Resistance Value[Ω]	Tolerance [%]	Mass [g]
IRH 300F	500	100 mV	0.2000 m	B [±0.1] D [±0.5] F [±1.0]	1300
	400	100 mV/50mV	0.2500m/0.1250m		1180
	300		0.3333m/0.1666m		1100
IRH 200F	250	100 mV	0.4000m		680
	200		0.5000m		
	150		0.6666m		
	100		1.0000m		
IRH 100F	75		1.3333m	310	
IRH 80F	50/75		2.0000m/1.3333m	200	

CHARACTERISTICS

Temperature Range		-55°C ~ +110°C
Insulation Resistance		100MΩ minimum
Dielectric Withstanding Voltage		AC 500V for 1 minute
Temp. Coefficient		Max. 15ppm/°C [20°C and 60°C] Max. 30ppm/°C [20°C and 60°C]
Short Time Overload	[±0.3%]	5 X Power rating 5 sec.
Moisture Resistance	[±0.5%]	40°C, 95% RH, DC100V case to terminal, 500 hours
Thermal Shock	[±0.2%]	65°C 30 minutes, +90°C 30 minutes 25 cycles
Vibration	[±0.2%]	10Hz-55Hz-10Hz(1 minute), 2 hours each direction
Moisture Load Life	[±0.5%]	40°C, 95% RH, 0.1XPower rating 1.5 hours on, 30 minutes off, 500 hours
Load Life	[±0.5%]	Power rating 1.5 hours on, 30 minutes off, 500 hours
Stability	[±0.1%]	Battery testing time, 1hour

DIMENSIONS[mm]



Model	L1±1.5	L2±1.5	L3±2	W1±0.5	W2±0.5	H±0.5
IRH 300F	196	215	275	60	40	30
IRH 200F	146	165	225	60	40	30
IRH 100F	152	165	185	41		22
IRH 80F	137	150	170	41		22