

Metal Clad Economy Resistors

Metal clad, wire wound resistors are ideal for applications that require 60W~200W or less and are on a budget. These models come in a durable metal case and have flying leads.



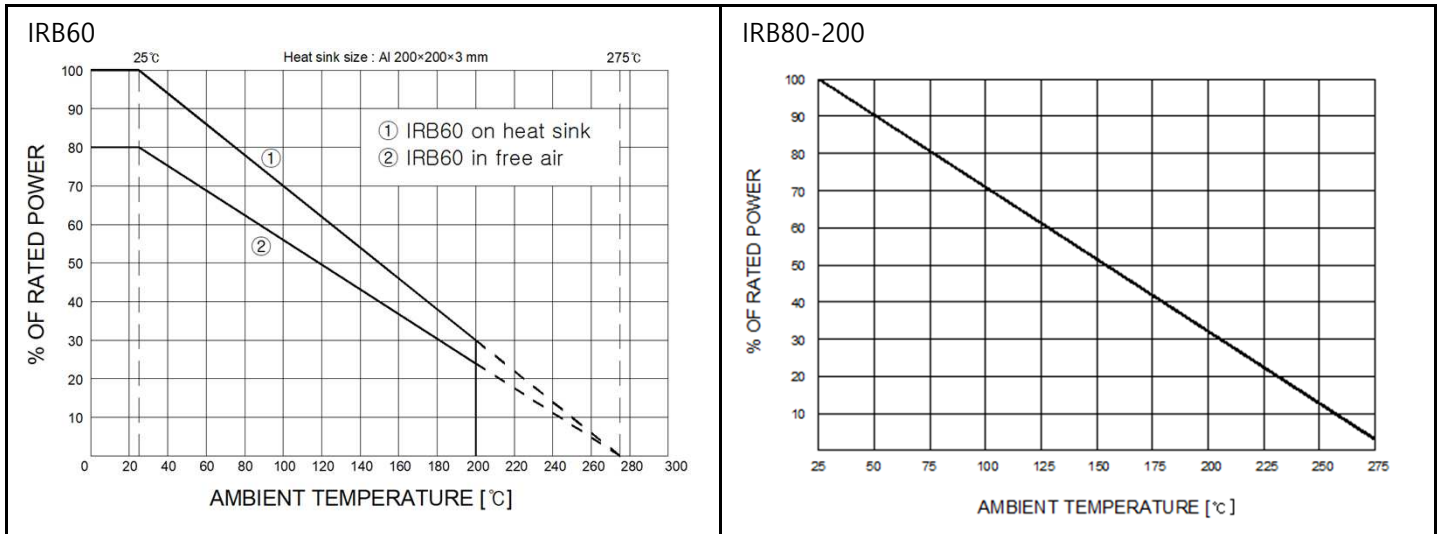
GENERAL SPECIFICATIONS

MODEL	RATED POWER [W]	RESISTANCE RANGE [Ω]		TOLERANCE
		INDUCTIVE	NON-INDUCTIVE	
IRB60	60	0.1~270	0.1~56	G [±2.0%] H [±3.0%] J [±5.0%] K [±10%]
IRB80	80	0.1~1.0K	0.1~200	
IRB100	100	0.1~1.2K	0.1~350	
IRB120	120	0.1~1.5K	0.1~500	
IRB150	150	0.1~1.5K	0.1~500	
IRB150S	150	0.1~1.5K	0.1~500	
IRB200	200	0.1~1.2K	0.1~1.0K	

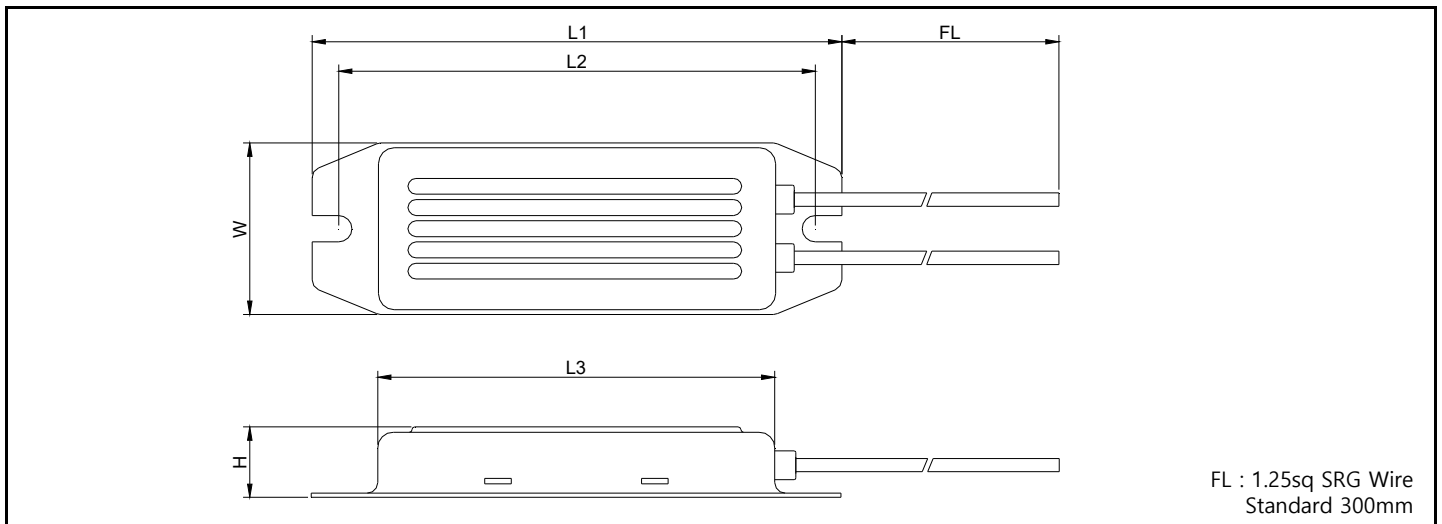
CHARACTERISTICS

MODEL	TEST	CONDITIONS
IRB60	Temperature Range	-55°C~+200°C
	Insulation Resistance	20MΩ minimum
	Dielectric Withstanding Voltage	Available options:AC1500V,3500V,4500V,5400V for 1min.;Max.leakage current :2mA
	Temperature Coefficient	±260ppm/°C maximum
	Short Time Overload	±[2%+0.05Ω] 5×Power rating 5seconds
	Moisture Resistance	±[2%+0.05Ω] 40°C, 95%RH, DC100V case to wire, 500hours
	Thermal Shock	±[2%+0.05Ω] Power rating 30minutes, -25°C, 15minutes
	Vibration	±[1%+0.05Ω] 10Hz-55Hz-10Hz (1minute), 2hours each direction
	Moisture Load Life	±[3%+0.05Ω] 40°C, 95%RH, 0.1×Power rating 1.5hours on, 30minutes off, 500hours
	Load Life	±[5%+0.05Ω] Power rating 1.5hours on,30minutes off, 500hours
IRB80-200	Dielectric Withstanding Voltage	AC 2500V for 1minutes (Leakage current : 5mA)
	Insulation Resistance	100MΩ at 500Vdc
	Heat Resistance	±[5%+0.05Ω] 180°C, 2hours

DERATING CURVE



DIMENSIONS[mm]



MODEL	L1	L2	L3	W	H
IRB60	100±1.5	90±1	75±1	32.3±0.5	12.3±1
IRB80	150±1	140±1	125±1	35±1	19±1
IRB100	150±1	140±1	125±1	35±1	19±1
IRB120	182±1	172±1	150±1	43±1	20±1
IRB150	182±1	172±1	150±1	43±1	20±1
IRB150S	182±1	172±1	150±1	43±1	13±1
IRB200	230±1	220±1	200±1	60±1	21±1

ORDERING PROCEDURE EXAMPLE

