

IRB METAL CLAD RESISTORS



IRB60, 80, 120 metal clad, wire wound resistors are ideal for applications that require 60W,80W,120W or less and are on a budget. These models come in a durable metal case have flying leads.

GENERAL SPECIFICATIONS

MODEL	Power rating [W]	Resistance Range [?]	
		Inductive	Non-Inductive
IRB 60	60	0.1-270	0.1-56
IRB 80	80	0.1-910	0.1-110
IRB120	120	0.1-1.3K	0.1-300

Available Tolerances: G (+-2%), H (+-3%), J (+-5%), K (+-10%), M (+-20%)

DIMENSIONS

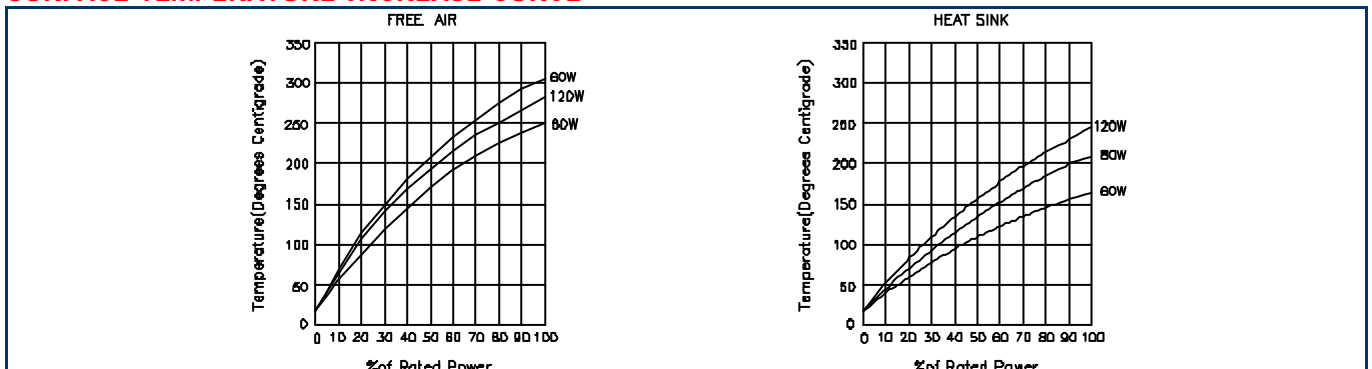
MODEL	DIMENSIONS					
	L1	L2	D	W	L3	H
IRB60	100 +-1.5	90 +-1.5	5 +-0.2	32.3 +-0.5	75 +-1	12.3 +-1
IRB80	150 +-2	140 +-2	4.2 +-0.5	34 +-1	130 +-2	20 +-1
IRB120	182 +-1	170 +-1	5 +-0.2	44 +-1	150 +-1	13 +-0.5

CHARACTERISTICS

Values in [] mean change in ohmic value after test

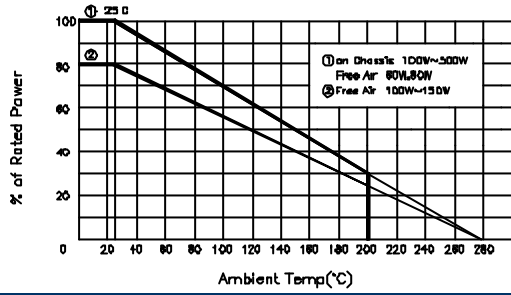
Temperature Range		-55C to 200C
Insulation Resistance		20Mohm min.
Dielectric Strength		Available options: AC 1500V,3500V,4500V,5400V MAX. leakage current: 2mA
Temp. Coefficient		+ - 260ppm/C maximum
Short time overload	(2%+0.05?)	60W:5 ×wattage rating, 80W, 120W:10 ×wattage rating-5 sec.
Moisture Resistance	(3%+0.05?)	40C, 95% RH, DC100V case to terminal (500hrs.)
Thermal Shock	(2%+0.05?)	wattage rating 30 min., -25C, 15 min.
Vibration	(1%+0.05?)	10Hz -55Hz-10Hz (1 min.), 2hrs.each direction
Moisture Load Life	(3%+0.05?)	40C, 95%RH, 0.1 ×wattage rating, 1.5hrs.on, 30min. off, 1000hrs.
Load Life	(5%+0.05?)	wattage rating 1.5h. on, 30min.off, 1000hrs.

SURFACE TEMPERATURE INCREASE CURVE





DERATING CURVE AND ORDERING PROCEDURE EXAMPLE



1. On chassis, 100W-500W
(Heat sink size : 200×200×3mm)
2. Free air 60W, 80W
3. Free air 100W-500W

IRB 60	50ohm	J
Model	Resistance	Tolerance