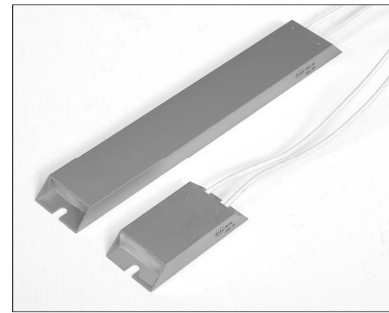


Compact Type Metal Clad Wire Wound Resistors

The IRC(C=Compact type) models are compact wire wound, metal clad resistors. These models have an extruded aluminium housing providing strong and rugged Protection. These models are available with flying leads. The most common Applications for these models are : Motor drives, braking and snubber applications And power sources for industrial equipment.



GENERAL SPECIFICATIONS

Model	*Power Rating [W]		Resistance Range [Ω]		Resistance Tolerance [%]
	On Heat Sink	In Free Air	Inductive	Non-Inductive	
IRC 30	30	24	4.0 ~ 330	-	D [± 0.5] F [± 1] G [± 2] J [± 5] K [± 10]
IRC 40	40	32	0.5 ~ 360	2 ~ 240	
IRC 60	60	40	0.5 ~ 900	5 ~ 540	
IRC 70	70	50	0.5 ~ 1.2K	6 ~ 1.2K	
IRC 80	80	55	0.5 ~ 1.8K	0.5 ~ 300	
IRC 100	100	60	1.0 ~ 2.2K	1.0 ~ 350	
IRC 120	120	65	1.0 ~ 2.6K	1.0 ~ 350	
IRC 150	150	70	1.0 ~ 3.5K	1.0 ~ 500	

* IRC30~120 on heat sink size[mm] : Al 200X200X3, IRC150 on heat sink size : Al 400X400X3

CHARACTERISTICS

Values in [] mean changed in Ω after test

Operation Temperature Range		-55 $^{\circ}$ C ~ +200 $^{\circ}$ C
Insulation Resistance		20M Ω minimum
Dielectric Withstanding Voltage		IRC30, AC1000V (Option : AC1500V) Others, AC 1500V,2000V,2500V for 1minute; Maximum leakage current : 2mA
Temperature Coefficient		± 260 ppm/ $^{\circ}$ C maximum
Short Time Overload	$\pm [2\% \pm 0.05\Omega]$	10XPower rating, 5seconds
Thermal Shock	$\pm [2\% \pm 0.05\Omega]$	Power rating 30minute, -25 $^{\circ}$ C 15minutes
Moisture Resistance	$\pm [3\% \pm 0.05\Omega]$	40 $^{\circ}$ C, 95% RH, DC100V case to terminal, 500hours
Vibration	$\pm [1\% \pm 0.05\Omega]$	10Hz-55Hz-10Hz(1minute) 2houes each direction
Moisture Load Life	$\pm [3\% \pm 0.05\Omega]$	40 $^{\circ}$ C, 95% RH, 0.1XPower rating 90minutes on, 30minutes off, 500hours
Load Life	$\pm [5\% \pm 0.05\Omega]$	Power rating 90minutes on, 30minutes off, 500hours

SURFCAE TEMPERATURE INCREASE VERSUS POWER LOAD

