

Aluminum Case Resistors

Aluminum Case Resistors can be used in any AC or DC power circuit and are most commonly used for light-duty braking of variable frequency drives, space heating and any other low wattage applications.

The compact size of this unit makes it ideal for an application where space is a premium. This unit can withstand extreme shock, qualifying it for nearly any high vibration application.



Ratings

Sizes

Aluminum Case resistors are available in (5) standard sizes with values between 100 to 500 watts per assembly. The overall size of the case determines the wattage rating and can be varied to meet specific ratings if necessary. Also, these units can be custom wound to any resistance value as long as it remains within the resistance ranges listed in the table on the following page.

Leads

The standard lead length is 18".

Electrical Characteristics

Voltage Insulation

A standard Aluminum Case resistor is insulated for up to 2500 volts maximum.

Resistor Tolerance

+/- 5% for $R < 1\Omega$ and +/- 10% for $R > 1\Omega$.

Temperature

Standard ratings are based on ambient temperatures of 40°C, with a 375°C rise.

Short Term Overload

10 times rated power for 5 seconds.

Electrical Ratings & Dimensions of Standard Size Resistors

Wattage	Resistance Range (OHMS)	Dimensions in Inches			
		Overall Length	Width	Height	Mounting Length
100	.75-5K1	6.5	1.6	0.8	5.9
200	1.0-7K5	6.5	2.4	1.2	5.9
300	1.0-8K2	8.5	2.4	1.2	7.9
400	2.2-10K	10.4	2.4	1.2	9.8
500	2.2-10K	10.4	2.4	1.2	9.8