

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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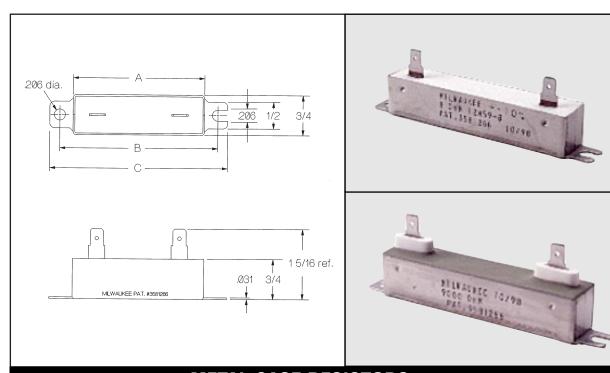






## Metal Case Resistors





## **METAL CASE RESISTORS**

WATTS WITHOUT HEAT SINK	WITH HEAT SINK	A D	IMENSIO B	NS C	RESISTAI Min. Ω	NCE RANGE Max. Ω	PART NUMBER
20	45	1	<b>1</b> ½6	1%	1.1	2750	<b>12M16-</b> Ω†
40	70	2½	3	<b>3</b> %	0.2	22 k	12M40-Ω‡
50	100	311/16	41/8	<b>4</b> % <sub>16</sub>	0.2	66 k	12M59-Ω‡

(All dimensions in inches)

Wattage ratings at  $275^{\circ}$ C rise above  $25^{\circ}$ C ambient. Heat sink is a steel panel  $10^{\circ}$  x  $10^{\circ}$  x  $0.040^{\circ}$ . Heat transfer to the heat sink is improved by the use of thermally conductive grease or epoxy.

- † Standard terminal is 3/16" wide. See Terminal Data.
- ‡ Standard terminal is Single Quick Connect. See Terminal Data.