

Features

- Lead free versions available (see How to Order "Termination" option)
- RoHS compliant (lead free version)*
- Custom circuits available per factory

For information on thin film applications, [download Bourns' Thin Film Application Note](#).

4100T - Thin Film Molded DIP

Product Characteristics

Resistance Range50 to 100K ohms
 Resistance Tolerance
±0.1 %, ±0.5 %, ±1 %
 Temperature Coefficient
±100 ppm/°C, ±50 ppm/°C,
 ±25 ppm/°C
 Temperature Range
-55 °C to +125 °C
 Insulation Resistance
10,000 megohms minimum
 TCR Tracking±5 ppm/°C
 Maximum Operating Voltage.....50 V

Environmental Characteristics

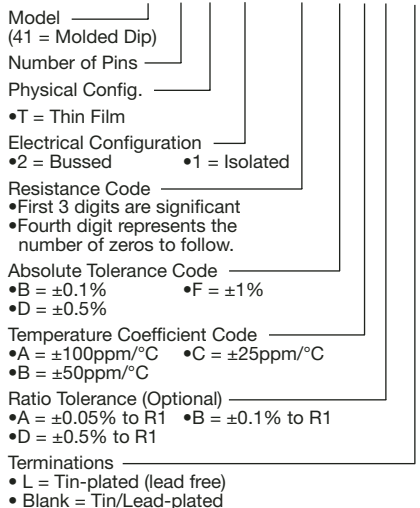
TESTS PER MIL-STD-202..... ΔR MAX.
 Thermal Shock 0.1 %
 Low Temperature Operation 0.25 %
 Short Time Overload 0.1 %
 Resistance to Soldering Heat 0.1 %
 Moisture Resistance 0.1 %
 Mechanical Shock..... 0.25 %
 Life 0.5 %
 High Temperature Storage..... 0.2 %
 Low Temperature Storage..... 0.1 %

Physical Characteristics

Lead Frame Material
Copper, solder coated
 Body Material Flammability
Conforms to UL94V-0
 Body MaterialNovolac Epoxy

How To Order

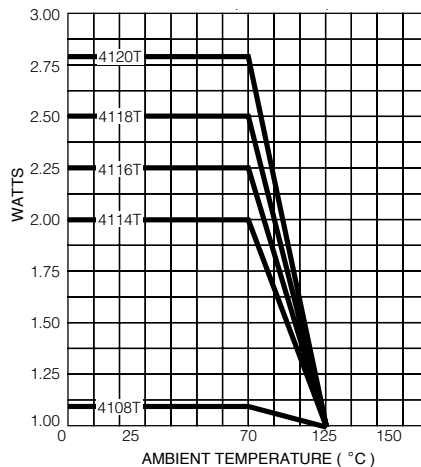
41 16 T - 2 - 2222 F A B



Consult factory for other available options.

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

Package Power Temp. Derating Curve

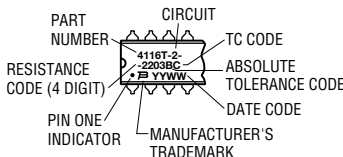


Package Power Ratings at 70 °C

4108T	1.09 watts
4114T	2.00 watts
4116T	2.25 watts
4118T	2.50 watts
4120T	2.80 watts

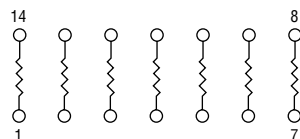
Typical Part Marking

Represents total content. Layout may vary.



Isolated Resistors (1 Circuit)

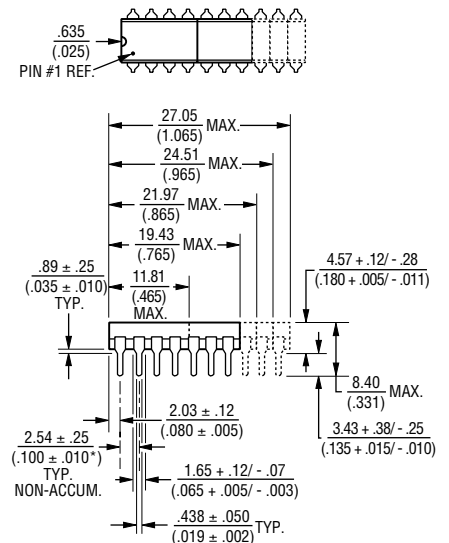
Available in 8, 14, 16, 18, and 20 Pin



These models incorporate 4, 7, 8, 9, or 10 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor.....0.2 watt
 Resistance Range50 to 100K ohms

Product Dimensions

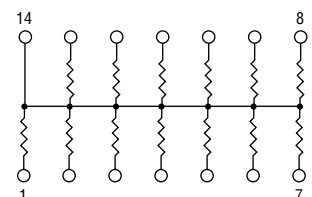


Governing dimensions are in metric. Dimensions in parentheses are inches and are approximate.

*Terminal centerline to centerline measurements made at point of emergence of the lead from the body.

Bussed Resistors (2 Circuit)

Available in 8, 14, 16, 18, and 20 Pin



These models incorporate 7, 13, 15, 17, or 19 thin-film resistors of equal value, each connected by a common pin.

Power Rating per Resistor.....0.12 watt
 Resistance Range50 to 50K ohms