

## **Features**

- RoHS compliant\* (see How to Order "Termination" option)
- Custom circuits available per factory

For information on thin film applications, download Bourns' Thin Film Application

# 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 Voltage50 V

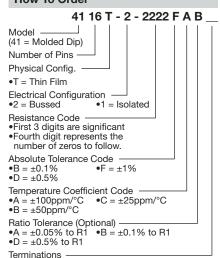
#### **Environmental Characteristics**

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 Materia	ıl
C	opper, solder coated
Body Material Flam	mability
	Conforms to UL94V-0
Rody Material	Novolac Epoxy

## **How To Order**

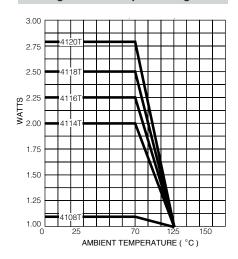


- L = Tin-plated (RoHS compliant version)
  Blank = Tin/Lead-plated

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

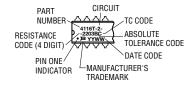


#### Package Power Ratings at 70 °C

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

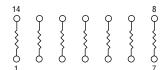
#### **Typical Part Marking**

Represents total content. Layout may vary.



## **Isolated Resistors (1 Circuit)**

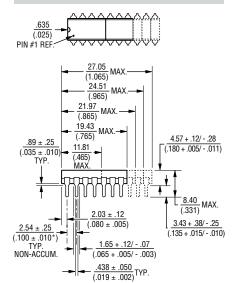
Available in 8, 14, 16, 18, and 20 Pin

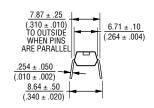


These models incorporate 4, 7, 8, 9, or 10 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor......0.2 watt Resistance Range ......50 to 100K ohms

#### **Product Dimensions**

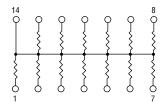




Governing dimensions are in metric. Dimensions in parentheses are inches and are approximate.

## **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 Range ......50 to 50K ohms

<sup>\*</sup>Terminal centerline to centerline measurements made at point of emergence of the lead from the body.