

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 Voltage.....50 V

Environmental Characteristics

| TESTS PER MIL-STD-202 | Δ R M $^{\prime}$ | ١ Χ. |
|------------------------------|--------------------------|-------------|
| 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 | % |
| | | |

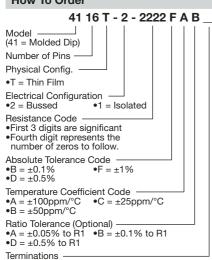
Physical Characteristics

Lead Frame Material

.....Copper, solder coated Body Material Flammability

......Conforms to UL94V-0 Body MaterialNovolac Epoxy

How To Order

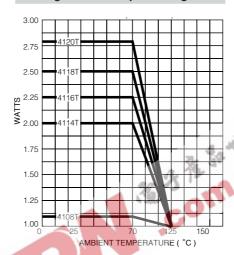


- L = Tin-plated (RoHS compliant version)
 Blank = Tin/Lead-plated

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

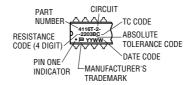


Package Power Ratings at 70 °C

| 4108T | 1.09 watts |
|-------|------------|
| | 2.00 watts |
| 4116T | 2.25 watts |
| 4118T | 2.50 watts |
| /120T | 2 80 watts |

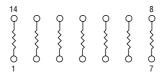
Typical Part Marking

Represents total content. Layout may vary.



Isolated Resistors (1 Circuit)

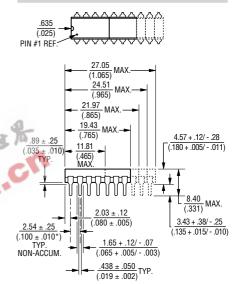
Available in 8, 14, 16, 18, and 20 Pin

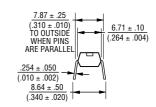


These models incorporate 4, 7, 8, 9, or 10 thin-film resistors of equal value, each connected between a separate pin.

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

Product Dimensions

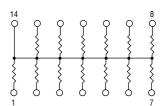




Governing dimensions are in metric. Dimensions in parentheses are inches and are approximate.

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

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