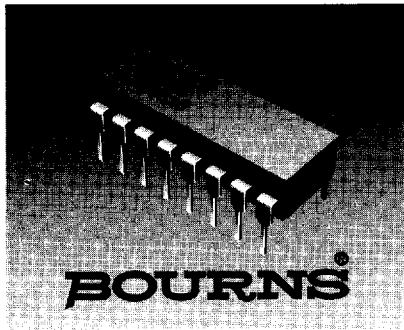




THIN FILM RESISTOR NETWORK MOLDED DIP/8, 14, 16, 18, AND 20 PIN

- Low noise characteristics
- Substrate of 99.5% pure alumina ceramic
- Custom circuits available per factory

Model 4100T

B® Resistor Networks

FOR SCHEMATICS, SEE FOLLOWING PAGE.

Electrical Characteristics

Resistance Range 50 to 100K ohms
Resistance Tolerance
..... $\pm 0.1\%$, $\pm 0.5\%$, $\pm 1\%$
Temperature Coefficient
..... $\pm 100\text{ppm}/^\circ\text{C}$, $\pm 50\text{ppm}/^\circ\text{C}$,
..... $\pm 25\text{ppm}/^\circ\text{C}$
Temperature Range
..... -55°C to $+125^\circ\text{C}$
TCR Tracking Consult Factory
Maximum Operating Voltage 50V

Environmental Characteristics

TESTS PER MIL-SD 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%
Insulation Resistance
..... 10,000 megohms minimum

Physical Characteristics

Lead Frame Material Copper
(Olin 194) 90/10 electroplate
Body Material Flammability
..... Conforms to UL94V-0
Body Material Novolac Epoxy

PACKAGE POWER TEMPERATURE DERATING CURVE (4100T-001)

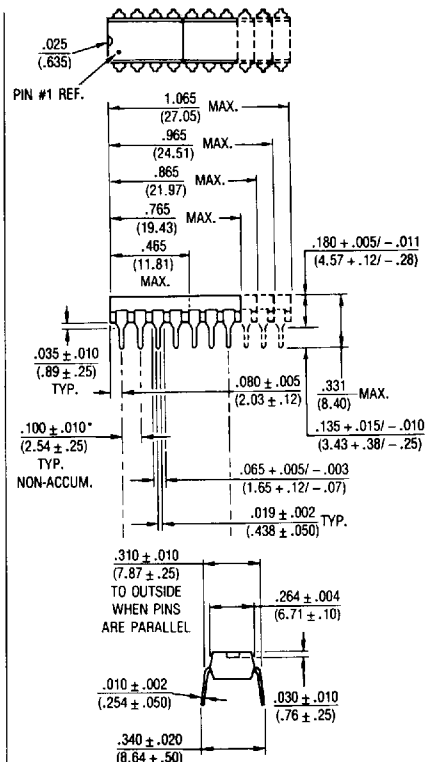
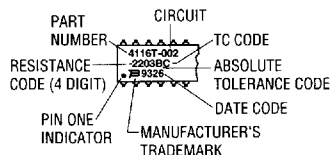


Package Power Ratings at 70°C

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.



Governing dimensions are in inches. Dimensions in parentheses are metric (mm) and are approximate.

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

HOW TO ORDER

41 16 T - 002 - 2222 F A

Model _____
(41 = Molded Dip)
Number of Pins _____
Physical Config. _____
•T = Thin Film
Electrical Configuration _____
•002 = Bussed •001 = Isolated
Resistance Code _____
•First 3 digits are significant
•Fourth digit represents the number of zeros to follow.
Absolute Tolerance Code _____
•B = $\pm 0.1\%$ •F = $\pm 1\%$
•D = $\pm 0.5\%$
Temperature Coefficient Code _____
•A = $\pm 100\text{ppm}/^\circ\text{C}$ •C = $\pm 25\text{ppm}/^\circ\text{C}$
•B = $\pm 50\text{ppm}/^\circ\text{C}$
Consult factory for other available options.

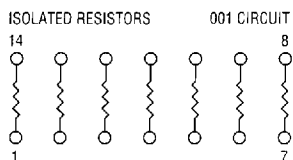
Model 4100T

B[®] Resistor Networks

FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

ISOLATED RESISTORS (001 CIRCUIT)

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

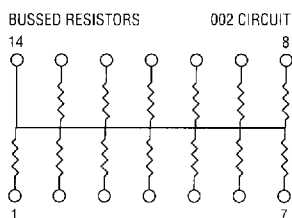


These models incorporate 4, 7, 8, 9, or 10 thin-film resistors of equal value, each connected between a separate pin.

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

BUSSED RESISTORS (002 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