

Features

- Lead free
- RoHS compliant*
- Increased lead density
- Custom circuits available per factory

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

4400T - Thin Film Wide Body Gull Wing

Product Characteristics

Resistance Range10 to 150K 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	7K M	ΑX
Thermal Shock	0.1	%
Short Time Overload	0.1	%
Resistance to Soldering Heat	0.1	%
Moisture Resistance	0.5	%
Life	0.5	%

Physical Characteristics

How To Order

Body Gull Wing) Number of Pins

Electrical Configuration 2 = Bussed •1 = Isolated Resistance Code First 3 digits are significant Fourth digit represents the number of zeros to follow. Absolute Tolerance Code

Temperature Coefficient Code

L = Tin-plated (lead free)

(44 = SOL Wide

Physical Config. •T = Thin Film

 $\bullet B = \pm 0.1\%$ $\bullet D = \pm 0.5\%$

Termination

•A = ±100ppm/°C •B = ±50ppm/°C

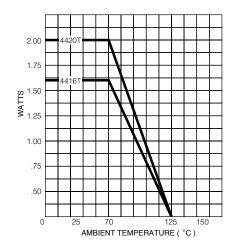
Model

Lead Frame MaterialCopper, solder coated **Body Material Flammability**

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

44 16 T - 2 - 2222 F A B L

Package Power Temp. Derating Curve

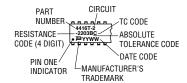


Package Power Ratings at 70 °C

4416T	1.60 watts
4420T	2.00 watts

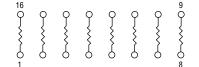
Typical Part Marking

Represents total content. Layout may vary.



Isolated Resistors (1 Circuit)

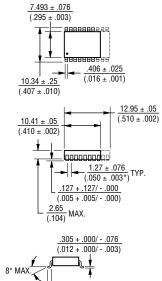
Available in 16 and 20 Pin

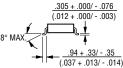


These models incorporate 8 or 10 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor......0.15 watt Resistance Range10 to 150K ohms

Product Dimensions



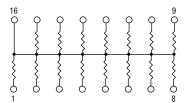


Governing dimensions are in metric. Dimensions in parentheses

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

Bussed Resistors (2 Circuit)

Available in 16 and 20 Pin



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

Power Rating per Resistor......0.10 watt Resistance Range10 to 75K ohms

Consult factory for other available options.

Ratio Tolerance (Optional) \bullet A = ±0.05% to R1 \bullet D = ±0.5% to R1 \bullet B = ±0.1% to R1

•F = ±1%

 $\bullet C = \pm 25 ppm/^{\circ}C$