

THIN FILM RESISTOR NETWORK WIDE BODY GULL WING/ 16 AND 20 PIN

- Increased lead density
- Substrate of 99.5% pure alumina ceramic
- Custom circuits available per factory

Model 4400T

B® Resistor Networks

FOR SCHEMATICS, SEE FOLLOWING PAGE.

Electrical Characteristics

Resistance Range 10 to 150K ohms
Resistance Tolerance
..... ±0.1%, ±0.5%, ±1%
Temperature Coefficient
..... ±100ppm/°C, ±50ppm/°C,
..... ±25ppm/°C
Temperature Range
..... -55°C to +125°C
TCR Tracking Consult Factory
Maximum Operating Voltage 50V

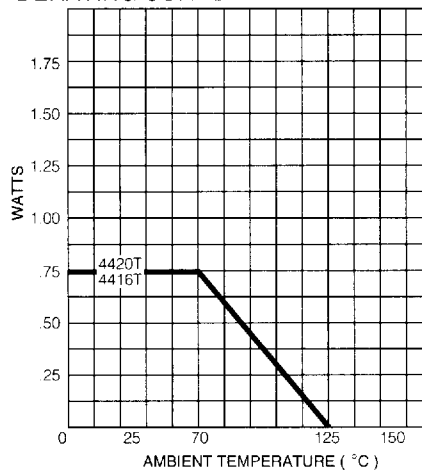
Environmental Characteristics

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 0.5%
Mechanical Shock 0.25%
Life 0.5%
Insulation Resistance
..... 10,000 megohms minimum

Physical Characteristics

Lead Frame Material
... Copper (Olin 194) 60/40 solder dip
Body Material Flammability
..... Conforms to UL94V-0
Body Material Novolac Epoxy

PACKAGE POWER TEMPERATURE DERATING CURVE

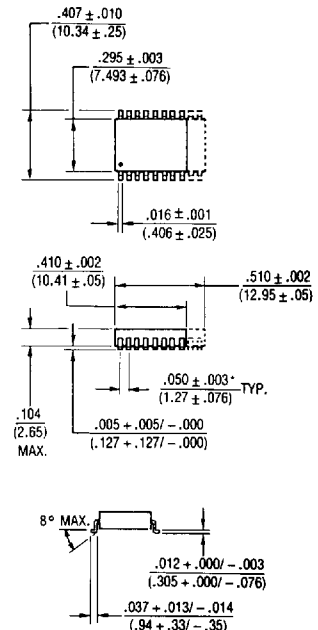
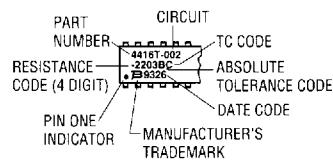


Package Power Ratings at 70°C

4416T 1.60 watts
4420T 2.00 watts

TYPICAL PART MARKING

Represents total content. Layout may vary.



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

44 16 T - 002 - 2222 F A

Model _____
(44 = Wide Body Gull Wing)
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 = ±0.1%
•D = ±0.5%
•F = ±1%
Temperature Coefficient Code _____
•A = ±100ppm/°C •C = ±25ppm/°C
•B = ±50ppm/°C

Consult factory for other available options.

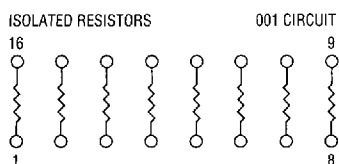
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FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

B[®] Resistor Networks

ISOLATED RESISTORS (001 CIRCUIT)

Available in 16 and 20 Pin

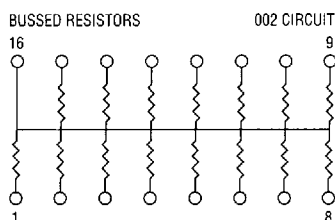


These models incorporate 8 or 10 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor 0.15 watt
Resistance Range ... 10 to 150K ohms

BUSSED RESISTORS (002 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 Range 10 to 75K ohms