THIN FILM RESISTOR NETWORK SMALL OUTLINE LEADLESS/8 PIN

- Designed for surface mount assemblies
- Increased component density
- Compatible with standard SO footprint

OBSOLETE

Model 4K00L

BOURNS® Resistor Networks

FOR SCHEMATICS, SEE FOLLOWING PAGE.

Electrical Characteristics

Resistance Range .... 50 to 100K 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

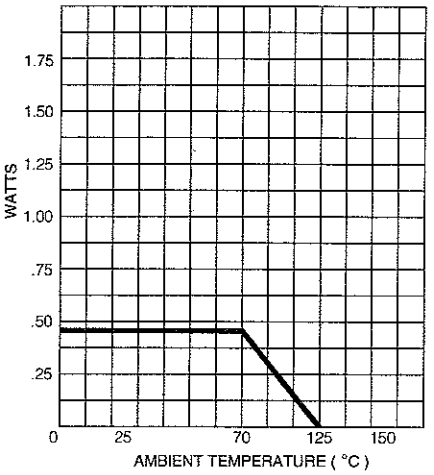
Environmental Characteristics

TESTS PER MIL-STP-200 .... ΔR MAX.
Thermal Shock 0.1%
Short Time Overload 0.1%
Resistance to Soldering Heat..... 0.1%
Moisture Resistance..... 0.1%
Insulation Resistance
.....10,000 megohms minimum

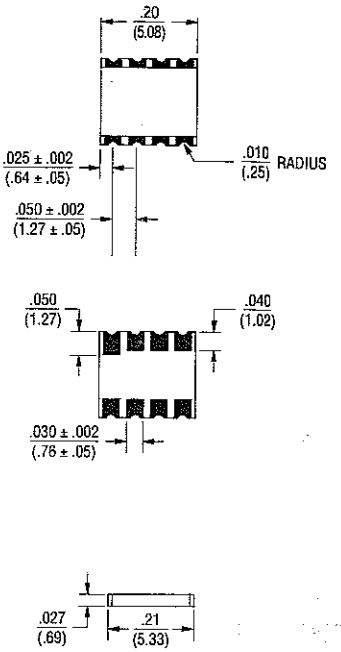
Physical Characteristics

Terminations
.....Gold Over Nickel Over Copper
Body Material
.....Ceramic

PACKAGE POWER TEMPERATURE DERATING CURVE



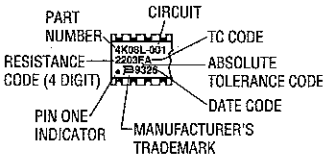
Package Power Ratings at 70°C
4K08L .....0.40 watts



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

TYPICAL PART MARKING

Represents total content. Layout may vary.



HOW TO ORDER

4K 08 L - 001 - 2222 F A

Model
(4K = Narrow Leadless)

Number of Pins

Physical Config.
•L = 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% •F = ±1%
•D = ±0.5%

Temperature Coefficient Code
•A = ±100ppm/°C •C = ±25ppm/°C
•B = ±50ppm/°C

Consult factory for other available options.

- Substrate of 99.5% pure alumina ceramic
- Monolithic construction
- Custom circuits available per factory
- Higher resistance values available per factory

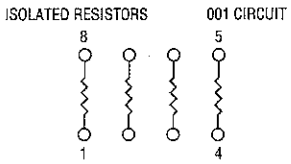
OBSOLETE

Model 4K00L

BI® Resistor Networks

FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

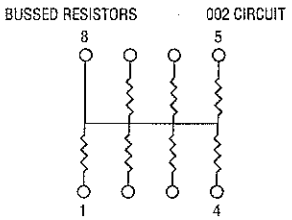
ISOLATED RESISTORS
(001 CIRCUIT)
Available in 8 Pin



These models incorporate 4 isolated thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor .... 0.10 watt
Resistance Range ... 50 to 100K ohms

BUSSED RESISTORS
(002 CIRCUIT)
Available in 8 Pin



These models incorporate 7 thin-film resistors of equal value, each connected by a common pin.

Power Rating per Resistor .... 0.10 watt
Resistance Range ..... 50 to 50K ohms