

## THIN FILM RESISTOR NETWORK SMALL OUTLINE LEADLESS/8 PIN

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

### Model 4K00L

B<sup>®</sup> 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  
.....  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$   
TCR Tracking ..... Consult factory  
Maximum Operating Voltage ..... 50V

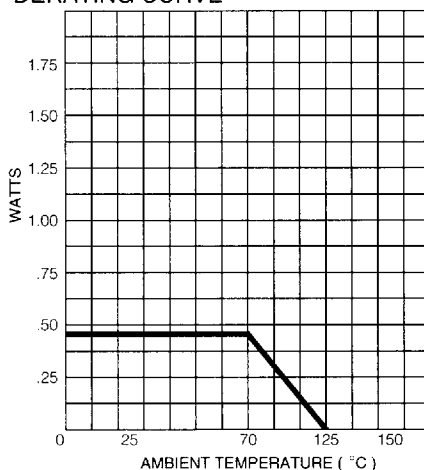
#### Environmental Characteristics

TESTS PER MIL-STP-200 ....  $\Delta R$  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

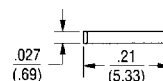
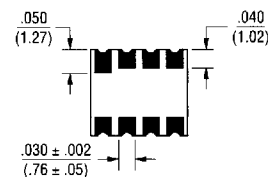
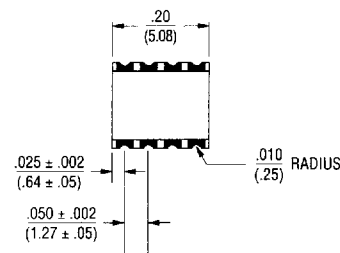
Terminations  
..... Gold Over Nickel Over Copper  
Body Material  
..... Ceramic

#### PACKAGE POWER TEMPERATURE DERATING CURVE



#### Package Power Ratings at 70°C

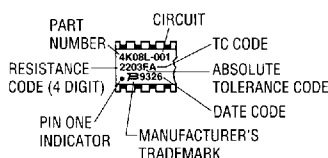
4K08L ..... 0.40 watts



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 =  $\pm 0.1\%$  • 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.

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

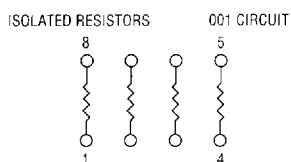
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FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

**B**® Resistor Networks

### ISOLATED RESISTORS (001 CIRCUIT)

**Available in 8 Pin**

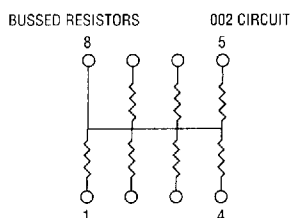


These models incorporate 4 isolated thin-film resistors of equal value, each connected between a separate pin.

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