

# THIN FILM RESISTOR NETWORK NARROW BODY GULL WING/ 8, 14 AND 16 PIN

- Low noise characteristics
- Thin film precision
- Increased lead density
- JEDEC standard package for pick and place

**Model 4K00T**  
B<sup>®</sup> Resistor Networks

OBSOLETE

FOR SCHEMATICS, SEE FOLLOWING PAGE.

### Electrical Characteristics

Resistance Range ..... 10 to 80K 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

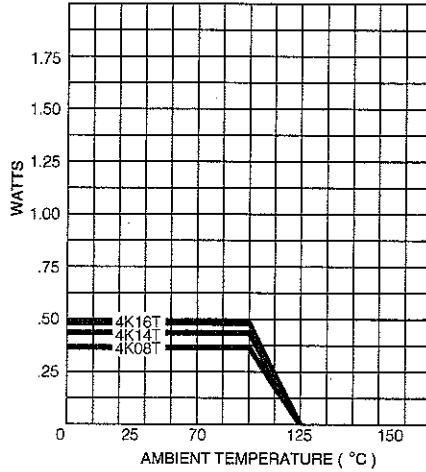
### Environmental Characteristics

TESTS ..... ΔR MAX.  
 Thermal Shock ..... 0.1%

### Physical Characteristics

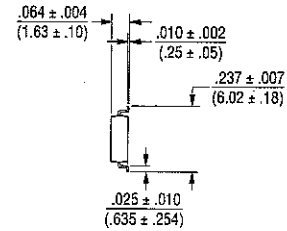
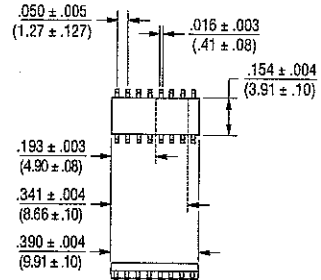
Lead Frame Material  
 ..... Copper alloy with 60/40 solder plating

### PACKAGE POWER TEMPERATURE DERATING CURVE



### Package Power Ratings at 70°C

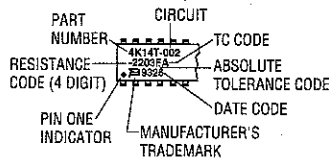
4K08T ..... 0.40 watts  
 4K14T ..... 0.45 watts  
 4K16T ..... 0.48 watts



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 14 T - 002 - 2222 F A**

Model \_\_\_\_\_  
 (4K = Narrow 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.

**OBSOLETE**

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

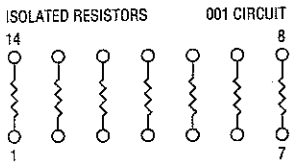
## Model 4K00T

**B**® Resistor Networks

FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

### ISOLATED RESISTORS (001 CIRCUIT)

Available in 8, 14, 16 Pin

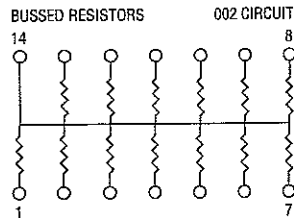


These models incorporate 4, 7, or 8 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor ....0.10 watt  
Resistance Range ..... 10 to 80K ohms

### BUSSED RESISTORS (002 CIRCUIT)

Available in 8, 14, 16 Pin



These models incorporate 7, 13 or 15 thin-film resistors of equal value, each connected by a common pin.

Power Rating per Resistor ....0.08 watt  
Resistance Range ..... 10 to 30K ohms