

## Features

- Lead free versions available (see How to Order "Termination" option)
- RoHS compliant (lead free version)\*
- Increased lead density
- Custom circuits available per factory

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

# 4800T - Thin Film Medium Body Gull Wing

### Product Characteristics

Resistance Range .....10 to 100K ohms  
 Resistance Tolerance  
 .....±0.1 %, ±0.5 %, ±1 %  
 Temperature Coefficient  
 .....±100 ppm/°C, ±50 ppm/°C,  
 .....±25 ppm/°C  
 TCR Tracking .....±5 ppm/°C  
 Temperature Range  
 .....-55 °C to +125 °C

Maximum Operating Voltage.....50 V

### Environmental Characteristics

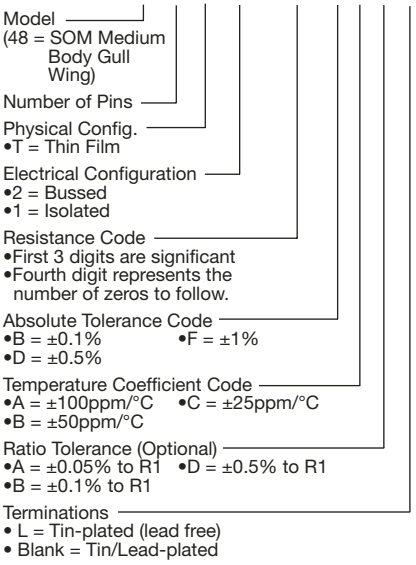
TESTS PER MIL-STD-202 .....ΔR MAX  
 Thermal Shock .....0.1 %  
 Short Time Overload .....0.1 %  
 Resistance to Soldering Heat .....0.1 %  
 Moisture Resistance .....0.1 %  
 Life .....0.5 %

### Physical Characteristics

Lead Frame Material  
 .....Copper, solder coated  
 Body Material Flammability  
 .....Conforms to UL94V-0  
 Body Material.....Thermoplastic

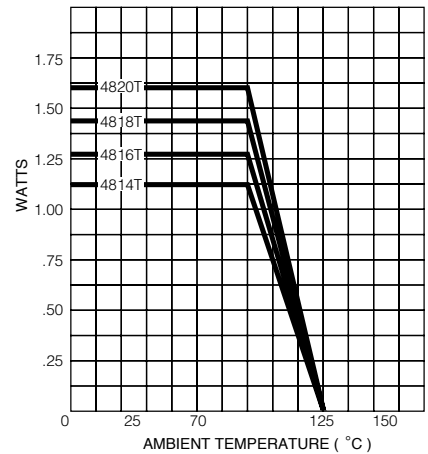
### How To Order

**48 16 T - 2 - 2222 F A B**



Consult factory for other available options.

### Package Power Temp. Derating Curve

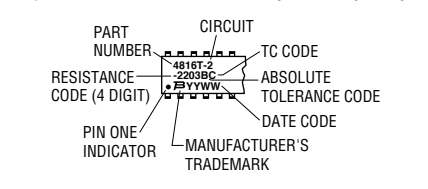


### Package Power Ratings at 70 °C

4814T	1.12 watts
4816T	1.28 watts
4818T	1.44 watts
4820T	1.60 watts

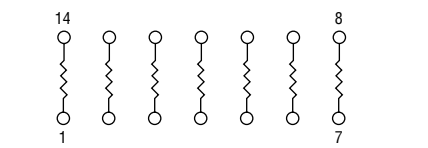
### Typical Part Marking

Represents total content. Layout may vary.



### Isolated Resistors (1 Circuit)

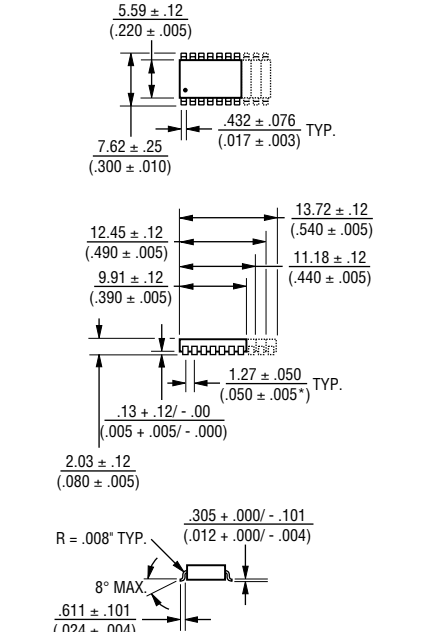
Available in 14, 16, 18, and 20 Pin



These models incorporate 7, 8, 9, or 10 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor.....0.10 watt  
 Resistance Range .....10 to 100K ohms

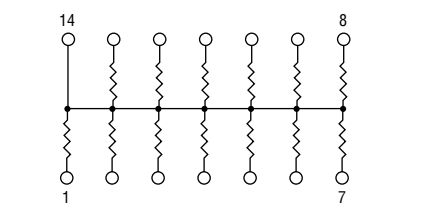
### Product Dimensions



Governing dimensions are metric. Dimensions in parentheses are inches and are approximate.

### Bussed Resistors (2 Circuit)

Available in 14, 16, 18, and 20 Pin



These models incorporate 13, 15, 17 or 19 thin-film resistors of equal value, each connected by a common pin.

Power Rating per Resistor.....0.08 watt  
 Resistance Range .....10 to 50K ohms

REV. 01/05  
 \*RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.