

## Features

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

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



This series is currently available but not recommended for new designs.

## 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

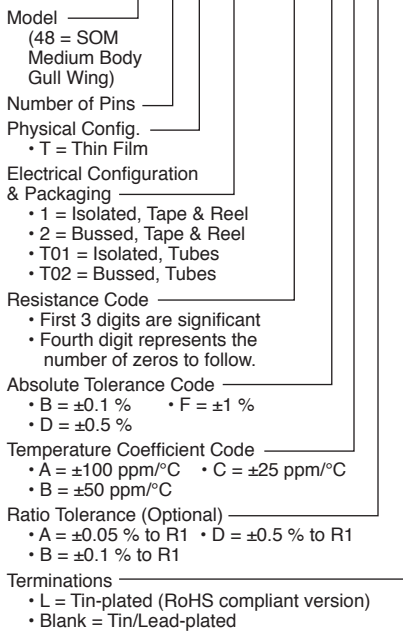
TESTS PER MIL-STD-202 ..... ΔR MAX.  
 Thermal Shock ..... 0.1 %  
 Short Time Overload ..... 0.1 %  
 Resistance to Soldering Heat ..... 0.1 %  
 Moisture Resistance ..... 0.1 %  
 Life ..... 0.5 %

### 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**



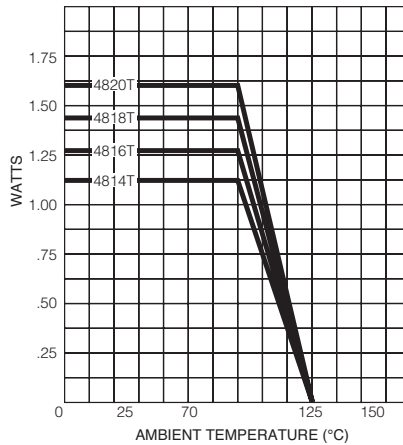
Consult factory for other available options.



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 Specifications are subject to change without notice.  
 Users should verify actual device performance in their specific applications.  
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### Package Power Temp. Derating Curve



### Package Power Rating at 70 °C

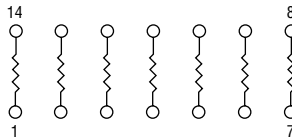
4420P ..... 2.00 watts  
 4416P ..... 1.60 watts

### Package Power Rating at 70 °C

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

### Isolated Resistors (1 Circuit)

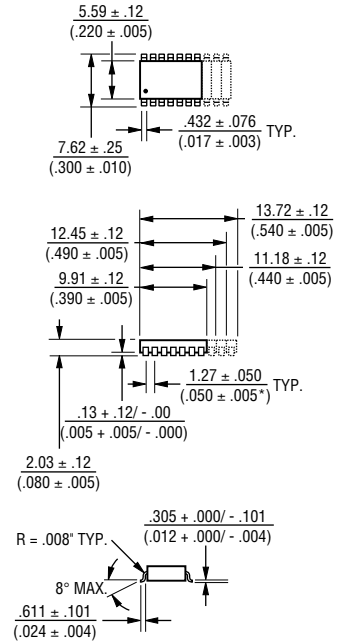
Available in 14, 16, 18, and 20 Pin



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

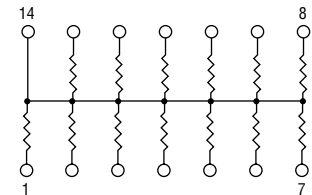
### Product Dimensions



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

### Bussed Resistors (2 Circuit)

Available in 14, 16, 18, and 20 Pin

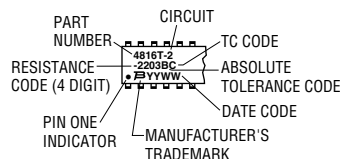


These models incorporate 13, 15, 17 or 19 thin-film resistors of equal value, each connected by a common pin.

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

### Typical Part Marking

Represents total content. Layout may vary.



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