**Features**

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

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


Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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**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
- Thermal Shock
- Short Time Overload: 0.1 %
- Resistance to Soldering Heat
- Moisture Resistance: 0.1 %
- Life: 0.5 %

**Resistance Code**

- First 3 digits are significant
- T01 = Isolated, Tubes
- T02 = Bussed, Tubes
- Blank = Tin/Lead-plated
- A = ±0.05 % to R1
- B = ±0.1 % to R1
- D = ±0.5 % to R1
- M = Tin-plated (RoHS compliant version)

**Physical Characteristics**

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

**How To Order**

**Model**

- 48 16 T - 2 - 2222 F A B

**Number of Pins**

- 14, 16, 18, 20

**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

**Bussed Resistors (2 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

**Typical Part Marking**

Represents total content. Layout may vary.

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

This series is obsolete and not recommended for new designs.
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