4600T, S, K Series - Thin Film Conformal SIP

Specifications are subject to change without notice.

Product Characteristics

**Resistance Range**
- Bussed: 49.9 to 100K ohms
- Isolated: 20 to 200K ohms
- Series: 20 to 100K ohms

**Resistance Tolerance**
- ±0.1%, ±0.5%, ±1%

**Temperature Coefficient**
- ±100ppm/°C, ±50ppm/°C, ±25ppm/°C

**Temperature Range**
- -55°C to +125°C

**Insulation Resistance**
- 10,000 megohms minimum

**TCR Tracking**
- ±5ppm/°C

Environmental Characteristics

**Thermal Shock and Power Conditioning**
- 0.1%

**Short Time Overload**
- 0.1%

**Terminal Strength**
- 0.25%

**Resistance to Soldering Heat**
- 0.1%

**Moisture Resistance**
- 0.1%

**Life**
- 0.5%

Physical Characteristics

**Body Material Flammability**
- Conforms to UL94V-0

**Body Material**
- Epoxy resin

Features

- Low profile provides compatibility with DIPs
- Also available in medium profile (4600S - .250”) and high profile (4600K - .350”)
- Marking on contrasting background
- Custom circuits available per factory

Package Power Temp. Derating Curve

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

Product Dimensions

- Maximum package length is equal to 2.54mm (.100”) times the number of pins, less .005mm (.002”)

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

*Terminal centerline to centerline measurements made at point of emergence of the lead from the body.

HOW TO ORDER

46 11 T - 101 - 2222 A B

Model
(46 = Conformal SIP)

Number of Pins

Physical Config.
- T = Low Profile Thin Film
- S = Medium Profile Thin Film
- K = High Profile Thin Film

Electrical Configuration
- 101 = Bussed
- 102 = Isolated
- 106 = Series

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%

Temperature Coefficient Code
- A = ±100ppm/°C
- C = ±25ppm/°C
- B = ±50ppm/°C

Ratio Tolerance (Optional)
- A = ±0.05% to R1
- D = ±0.5% to R1
- B = ±0.1% to R1

Consult factory for other available options.

TYPICAL PART MARKING

Represents total content. Layout may vary.

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Isolated Resistors (102 Circuit)
Available in 4, 6, 8, 10, 12, 14, 16 Pin

These models incorporate 2 to 8 isolated thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor
T ...............................................0.18 watt
S ...............................................0.20 watt
K ...............................................0.25 watt
Resistance Range... ...20 to 200K ohms

Bussed Resistors (101 Circuit)
Available in 4 through 16 Pin

These models incorporate 3 to 15 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor
T ...............................................0.10 watt
S ...............................................0.12 watt
K ...............................................0.15 watt
Resistance Range......20 to 100K ohms

Series Circuit (106 Circuit)
Available in 4 through 16 Pin

These models incorporate 3 to 15 thin-film resistors of equal value, each connected in a series.

Power Rating per Resistor
T ...............................................0.10 watt
S ...............................................0.12 watt
K ...............................................0.15 watt
Resistance Range......20 to 100K ohms