



Features

- RoHS compliant* (see How to Order "Termination" option)
- Low profile provides compatibility with DIPs
- Also available in medium profile (4300S - .250 ") and high profile (4300K - .350 ")
- Marking on contrasting background
- Custom circuits available per factory

4300T, S, K Series - Thin Film Molded SIP

Product Characteristics

Resistance Range
 Bussed49.9 to 100K ohms
 Isolated20 to 200K ohms
 Series.....20 to 100K ohms
 Resistance Tolerance
±0.1 %, ±0.5 %, ±1 %
 Temperature Coefficient
±100 ppm/°C, ±50 ppm/°C,
 ±25 ppm/°C
 Temperature Range-55 °C to +125 °C
 Insulation Resistance
10,000 megohms minimum
 TCR Tracking±5 ppm/°C
 Maximum Operating Voltage.....50 V

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 0.50 %

Physical Characteristics

Body Material Flammability
Conforms to UL94V-0
 Lead Frame Material
Copper, solder coated
 Body MaterialNovolac epoxy

How To Order

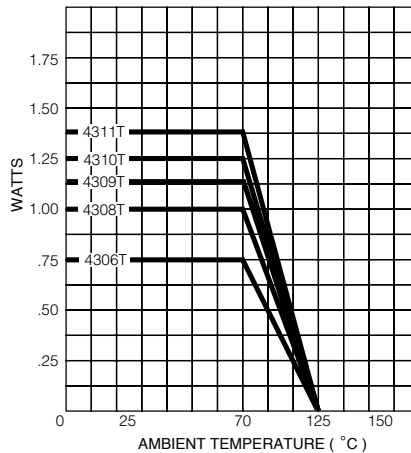
43 11 T - 101 - 2222 F A B

Model _____
 (43 = Molded SIP)
 Number of Pins _____
 Physical Config. _____
 •T = Low Profile Thin Film
 •S = Med. 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% •F = ±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
 Terminations _____
 •L = Tin-plated (RoHS compliant version)
 •Blank = Tin/Lead-plated

Consult factory for other available options.

Package Power Temp. Derating Curve

(Low Profile, 4300T)

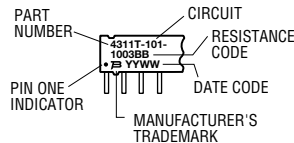


Package Power Ratings at 70°C

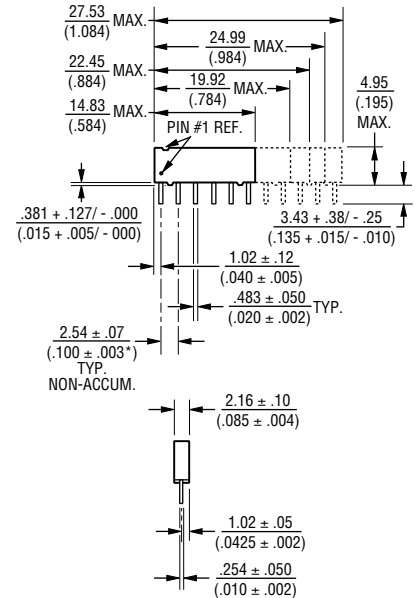
| | T | S | K |
|------|------|------|------------|
| 4304 | 0.60 | 0.80 | watts |
| 4306 | 0.75 | 0.90 | 1.20 watts |
| 4308 | 1.00 | 1.20 | 1.60 watts |
| 4309 | 1.13 | | watts |
| 4310 | 1.25 | 1.50 | 2.00 watts |
| 4311 | 1.38 | | watts |

Typical Part Marking

Represents total content. Layout may vary.



Product Dimensions



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.

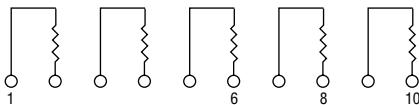
For information on thin film applications, download Bourns' [Thin Film Application Note](#).

4300T, S, K Series - Thin Film Molded SIP

BOURNS®

Isolated Resistors (102 Circuit)

Available in 6, 8, 10 Pin



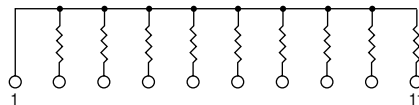
These models incorporate 3, 4, or 5 isolated thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor

T0.18 watt
 S0.20 watt
 K0.25 watt
 Resistance Range... ..20 to 200K ohms

Bussed Resistors (101 Circuit)

Available in 6, 8, 9, 10, 11 Pin



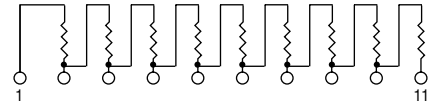
These models incorporate 5, 7, 8, 9, or 10 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor

T0.10 watt
 S0.12 watt
 K0.15 watt
 Resistance Range...49.9 to 100K ohms

Series Circuit (106 Circuit)

Available in 6, 8, 9, 10, 11 Pin



These models incorporate 5, 7, 8, 9, or 10 thin-film resistors of equal value, each connected in a series.

Power Rating per Resistor

T0.10 watt
 S0.12 watt
 K0.15 watt
 Resistance Range.....20 to 100K ohms