



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	
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	
.....	±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 Material	Novolac 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

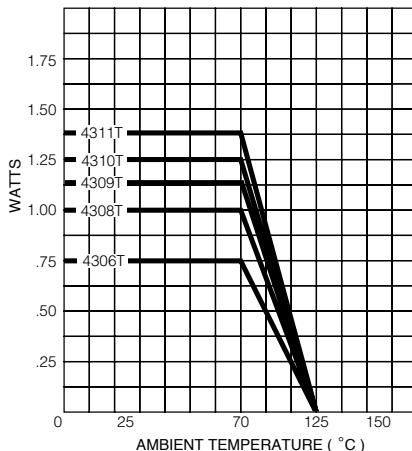
Ratio Tolerance (Optional)
•A = ±0.05% to R1 •D = ±0.5% to R1
•B = ±0.1% to R1

Terminations
•L = Tin-plated (RoHS compliant version)
•Blank = Tin/Lead-plated

Consult factory for other available options.

Package Power Temp. Derating Curve

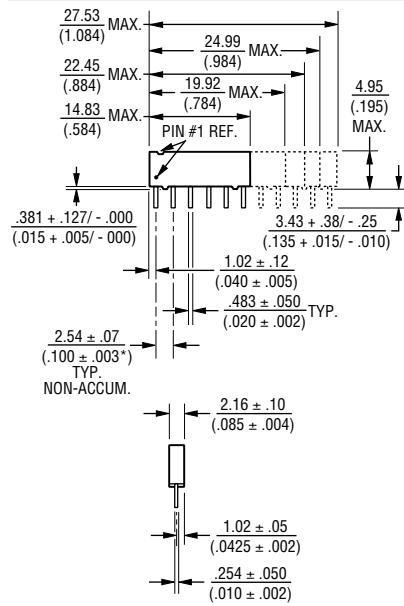
(Low Profile, 4300T)



Package Power Ratings at 70°C

	T	S	K
4304	0.60.....	0.80 watts
4306	0.75.....	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

Product Dimensions

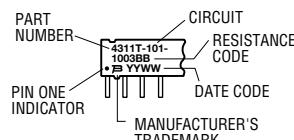


Governing dimensions are in metric. Dimensions in parentheses are inches and are approximate.

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

Typical Part Marking

Represents total content. Layout may vary.



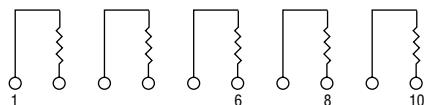
For information on thin film applications,
download Bourns' Thin Film Application
Note.

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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.

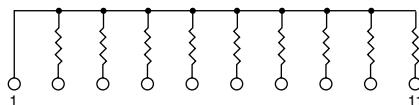
Power Rating per Resistor

T	0.18 watt
S	0.20 watt
K	0.25 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.

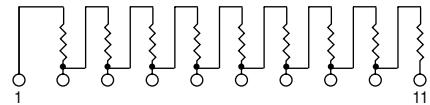
Power Rating per Resistor

T	0.10 watt
S	0.12 watt
K	0.15 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

T	0.10 watt
S	0.12 watt
K	0.15 watt

Resistance Range... 20 to 100K ohms

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[4310T-102-4701FA](#)