



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
 Series20 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 Voltage50 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

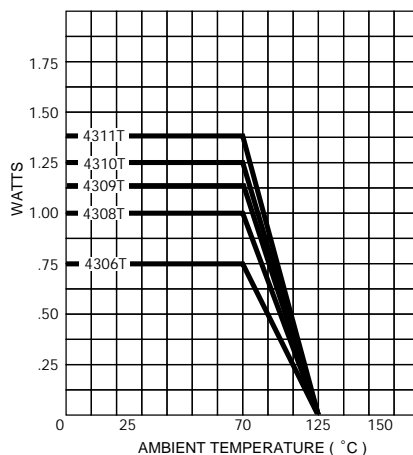
Ratio Tolerance (Optional) _____
 •A = ±0.05% to R1 •D = ±0.5% to R1
 •B = ±0.1% to R1

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)

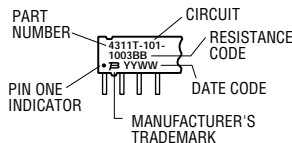


Package Power Ratings at 70°C

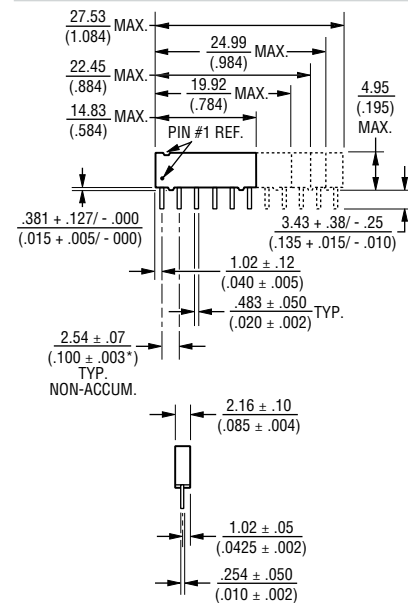
	T	S	K
4304	0.60	0.90	1.20
4306	0.75	0.90	1.20
4308	1.00	1.20	1.60
4309	1.13		
4310	1.25	1.50	2.00
4311	1.38		

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.



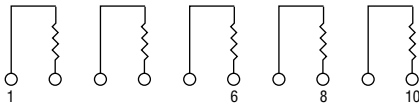
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

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

4300T, S, K Series - Thin Film Molded SIP **BOURNS®**

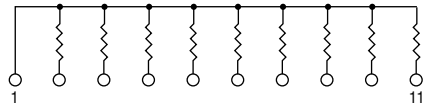
Isolated Resistors (102 Circuit) Available in 6, 8, 10 Pin



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

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

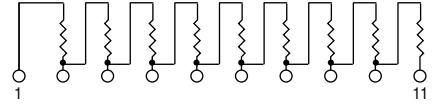
Bussed Resistors (101 Circuit) Available in 6, 8, 9, 10, 11 Pin



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	

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