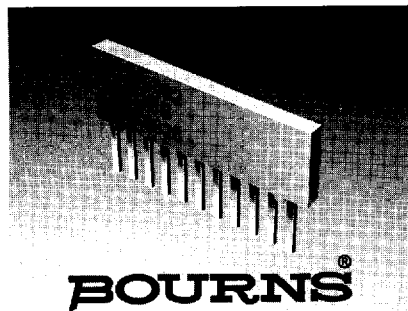




THIN FILM RESISTOR NETWORK MOLDED SIP/LOW, MEDIUM AND HIGH PROFILE, 6, 8, 9, 10, AND 11 PIN

- Low profile provides compatibility with DIPs
- Also available in medium profile (4600S) and high profile (4600K)
- Laser marking on contrasting background

Model 4300T, S, K Series

B® Resistor Networks

FOR SCHEMATICS, SEE FOLLOWING PAGE.

Electrical Characteristics

Resistance Range

Bussed 49.9 to 100K ohms
Isolated 20 to 200K ohms
Series 20 to 100K ohms

Resistance Tolerance

..... $\pm 0.1\%$, $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$

Temperature Coefficient

..... $\pm 100\text{ppm}/^\circ\text{C}$, $\pm 50\text{ppm}/^\circ\text{C}$,
..... $\pm 25\text{ppm}/^\circ\text{C}$

Temperature Range

..... -55°C to $+125^\circ\text{C}$

TCR Tracking

..... Consult Factory

Maximum Operation Voltage

..... 50V

Environmental Characteristics

TESTS PER MIL-STD-202 ΔR MAX.

Thermal Shock and

Power Conditioning 0.1%

Low Temperature Operation 0.25%

Short Time Overload 0.1%

Terminal Strength 0.25%

Resistance to Soldering Heat 0.1%

Moisture Resistance 0.1%

Mechanical Shock 0.25%

Vibration 0.25%

Life 0.50%

High Temperature Exposure 0.20%

Low Temperature Storage 0.10%

Insulation Resistance

..... 10,000 megohms minimum

Physical Characteristics

Body Material Flammability

..... Conforms to UL94V-0

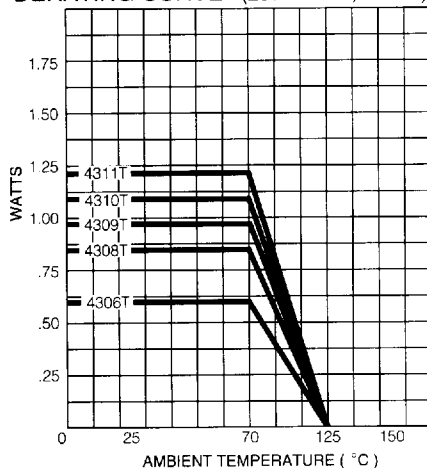
Lead Frame Material

..... Copper (OLIN 194) 90/10 plated

Body Material

..... Novolac epoxy

PACKAGE POWER TEMPERATURE DERATING CURVE (Low Profile, 4300T)

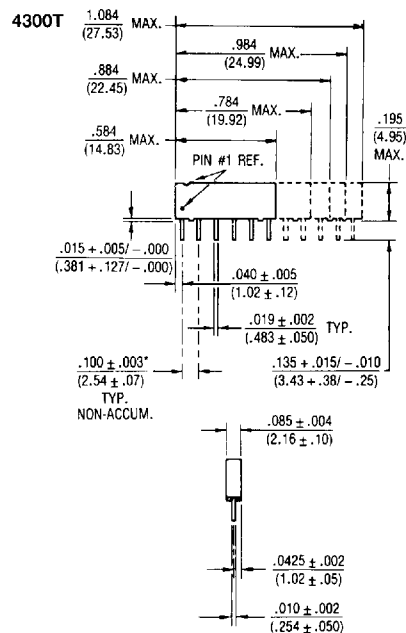
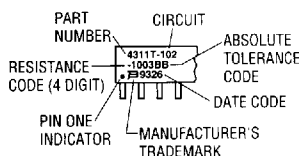


Package Power Ratings at 70°C

	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.



Governing dimensions are in inches. Dimensions in parentheses are metric (mm) and are approximate.

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

HOW TO ORDER

43 11 T - 101 - 2222 F A

Model _____
(43 = Molded 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 = $\pm 0.1\%$
- F = $\pm 1\%$
- D = $\pm 0.5\%$

Temperature Coefficient Code _____

- A = $\pm 100\text{ppm}/^\circ\text{C}$
- C = $\pm 25\text{ppm}/^\circ\text{C}$
- B = $\pm 50\text{ppm}/^\circ\text{C}$

Consult factory for other available options.

- Substrate of 99.5% pure alumina ceramic
- Custom circuits available per factory

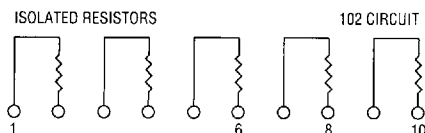
Model 4300T, S, K Series

FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

B® Resistor Networks

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.

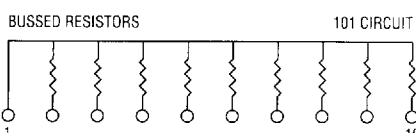
Power Rating per Resistor

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.

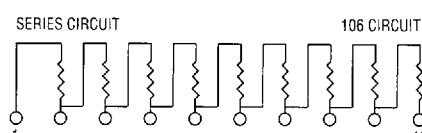
Power Rating per Resistor

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 series.

Power Rating per Resistor

T 0.10 watt
S 0.12 watt
K 0.15 watt

Resistance Range...20 to 100K ohms