

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

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

4600T, S, K Series - Thin Film Conformal 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
±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 Conditioning0.1%

Short Time Overload0.1%

Terminal Strength0.25%

Resistance to Soldering Heat0.1%

Moisture Resistance0.1%

Life0.5%

Physical Characteristics

Body Material Flammability
Conforms to UL94V-0

Body Material.....Epoxy resin

HOW TO ORDER

46 11 T - 101 - 2222 F 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.

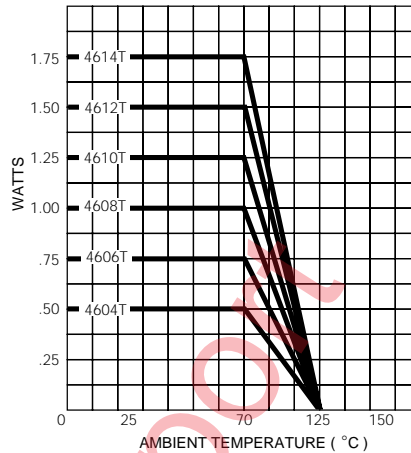
Absolute Tolerance Code _____
 • B = ±0.1% • F = ±1%
 • D = ±0.5%

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

Consult factory for other available options.

Package Power Temp. Derating Curve

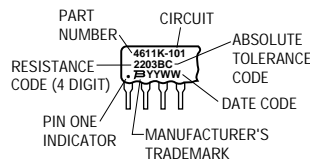


Package Power Ratings at 70°C

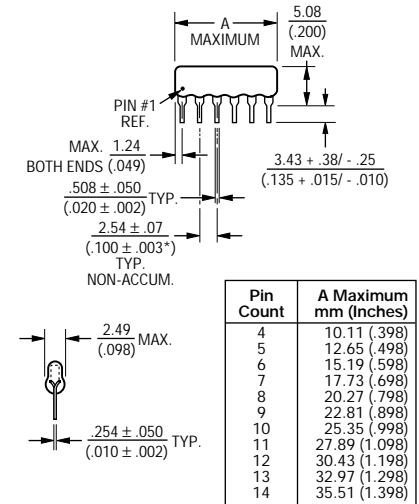
	T	S	K
4604	0.50	0.60	0.8 watts
4605	0.63	0.75	1.0 watts
4606	0.75	0.90	1.2 watts
4607	0.88	1.05	1.4 watts
4608	1.00	1.20	1.6 watts
4609	1.13	1.35	1.8 watts
4610	1.25	1.50	2.0 watts
4611	1.38	1.65	2.2 watts
4612	1.50	1.80	2.4 watts
4613	1.63	1.95	2.6 watts
4614	1.75	2.10	2.8 watts

TYPICAL PART MARKING

Represents total content. Layout may vary.



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.

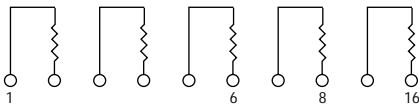
*Terminal centerline to centerline measurements made at point of emergence of the lead from the body.

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Isolated Resistors (102 Circuit)

Available in 4, 6, 8, 10, 12, 14, 16 Pin



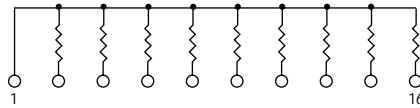
These models incorporate 2 to 8 isolated thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor

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

Bussed Resistors (101 Circuit)

Available in 4 through 16 Pin



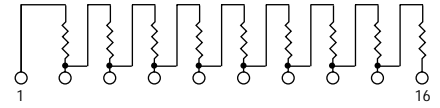
These models incorporate 3 to 15 thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor

T0.10 watt
 S0.12 watt
 K0.15 watt
 Resistance Range...49.9 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

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