**Features**
- Low profile provides compatibility with DIPs
- Compatible with automatic insertion equipment
- Superior package integrity
- Marking on contrasting background for permanent identification

**4300R Series - Thick Film Molded SIPs**

**Product Characteristics**
- **Resistance Range**
  - 10 ohms to 10 megohms
- **Maximum Operating Voltage**
  - 100V
- **Temperature Coefficient of Resistance**
  - Below 50Ω: ±250ppm/°C
  - Above 2.2 MΩ: ±250ppm/°C
- **TCR Tracking**
  - ±50ppm/°C maximum; equal values
- **Resistor Tolerance**
  - See circuits
- **Operating Temperature**
  - -55°C to +125°C
- **Power Rating**
  - Derate to zero power from +70°C to +125°C
- **Insulation Resistance**
  - 10,000 megohms minimum
- **Dielectric Withstanding Voltage**
  - 200 VRMS
- **Lead Solderability**
  - Meet requirements of MIL-STD-202 Method 208

**Environmental Characteristics**
- **Tests Per MIL-STD-202**
- **Short Time Overload**
  - ±0.25%
- **Load Life**
  - ±1.00%
- **Moisture Resistance**
  - ±0.50%
- **Resistance to Soldering Heat**
  - ±0.25%
- **Terminal Strength**
  - ±0.25%
- **Thermal Shock**
  - ±0.25%

**Physical Characteristics**
- **Flammability**
  - Conforms to UL94V-0
- **Lead Frame Material**
  - Copper, solder coated
- **Body Material**
  - Novolac epoxy

**How To Order**
- Model: 43 06 R - 101 - 222

**Package Power Temp. Derating Curve**

**Package Power Rating at 70°C**
- 4306R..............................0.75 watts
- 4308R..............................1.00 watts
- 4309R..............................1.13 watts
- 4310R..............................1.25 watts
- 4311R..............................1.38 watts

**Product Dimensions**

**Features**
- Top marking standard

**Product Dimensions**
- **Ambient Temperature (°C)**
  - 0 25 50 75 100
  - 2.54 ± 0.07 (0.100 ± 0.003*)
  - 4.95 ± 0.25/0.100 (0.195 ± 0.010)
  - 3.43 ± 0.10 (0.135 + 0.015 − 0.010)
  - 2.54 ± 0.07 (0.100 ± 0.003* TYP. NON-ACCUM.)
  - 2.54 ± 0.07 (0.100 ± 0.003* TYP. NON-ACCUM.)

**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.
4300R Series - Thick Film Molded SIPs

**Isolated Resistors (102 Circuit)**
Model 4306R-102-RC (6 Pin)
Model 4308R-102-RC (8 Pin)
Model 4310R-102-RC (10 Pin)

These models incorporate 3, 4 or 5 isolated thick-film resistors of equal value, each connected between two pins.

**Bussed Resistors (101 Circuit)**
Model 4306R-101-RC (6 Pin)
Model 4308R-101-RC (8 Pin)
Model 4309R-101-RC (9 Pin)
Model 4310R-101-RC (10 Pin)

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

**Dual Terminator (104 Circuit)**
Model 4306R-104-R1/R2
Model 4308R-104-R1/R2 (shown)
Model 4309R-104-R1/R2
Model 4310R-104-R1/R2
Model 4311R-104-R1/R2

4308R-104 (shown above) is an 8-pin configuration and terminates 6 lines. Pins 1 and 8 are common for ground and power, respectively. Twelve thick-film resistors are paired in series between the common lines (pins 1 and 8).

**Resistance Tolerance**
10 ohms to 49 ohms ...................±1 ohm
50 ohms to 5 megohms..................±2%*
Above 5 megohms...........................±5%

**Power Rating per Resistor**
At 70°C ....................................0.30 watt

**Power Temperature Derating Curve**

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<tr>
<th>WATTS</th>
<th>AMBIENT TEMPERATURE (°C)</th>
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<tr>
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<td>50</td>
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<tr>
<td>30</td>
<td>150</td>
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<td>20</td>
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**Popular Resistance Values (101, 102 Circuits)**

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* ±1% TOLERANCE IS AVAILABLE BY ADDING SUFFIX CODE “F” AFTER THE RESISTANCE CODE.
** NON-STANDARD VALUES AVAILABLE, WITHIN RESISTANCE RANGE.