### Features
- RoHS compliant* versions available (see How to Order "Termination" option)
- Medium profile offers increased power handling
- Compatible with automatic insertion equipment
- Superior package integrity
- Now available with improved tolerance to ±0.5%

### Product Characteristics

#### Resistance Range
- 10 ohms to 10 meghohms

#### Maximum Operating Voltage
- 100 V

#### Temperature Coefficient of Resistance
- 50 Ω to 2.2 meghohms: ±100 ppm/°C
- Below 50 Ω: ±250 ppm/°C
- Above 2.2 meghohms: ±250 ppm/°C

#### TCR Tracking
- ±0.25%

#### Resistor Tolerance
- See circuits

#### Operating Temperature
- -55 °C to +125 °C

#### Insulation Resistance
- 10,000 meghohms minimum

#### Dielectric Withstanding Voltage
- 200 VRMS

#### Lead Solderability
- Meet requirements of MIL-STD-202 Method 208

#### Environmental Characteristics
- Tests per MIL-STD-202
- Moisture Resistance: ±0.25%
- Resistance to Soldering Heat: ±0.5%

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

### How To Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Number of Pins</th>
<th>Physical Configuration</th>
<th>Electrical Configuration</th>
<th>Resistance Code</th>
<th>Terminations</th>
</tr>
</thead>
<tbody>
<tr>
<td>43 06 M</td>
<td>101 - 222</td>
<td>M = Thick Film Medium</td>
<td>101 = Bussed</td>
<td>0.25%</td>
<td>LF = Tin-plated (RoHS compliant version)</td>
</tr>
</tbody>
</table>

**Note:** All electrical configurations EXCEPT 104: LF = Tin-plated (RoHS compliant version)

### Package Power Temp. Derating Curve

![Package Power Temp. Derating Curve](image_url)

### Package Power Rating at 70 °C

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>4304M</td>
<td>0.60 watts</td>
</tr>
<tr>
<td>4306M</td>
<td>0.90 watts</td>
</tr>
<tr>
<td>4308M</td>
<td>1.20 watts</td>
</tr>
<tr>
<td>4310M</td>
<td>1.50 watts</td>
</tr>
</tbody>
</table>

### Typical Part Marking

- Represents total content. Layout may vary.
- For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](link).

### Product Dimensions

![Product Dimensions](image_url)

### 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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For information on specific applications, download Bourns’ application notes:

- DRAM Applications
- Dual Terminator Resistor Networks
- R/2R Ladder Networks
- SCSI Applications

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

<table>
<thead>
<tr>
<th>Models</th>
<th>Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4304M-102-RC</td>
<td>R1/R2</td>
</tr>
<tr>
<td>4306M-102-RC</td>
<td>R1/R2</td>
</tr>
<tr>
<td>4308M-102-RC</td>
<td>R1/R2</td>
</tr>
<tr>
<td>4310M-102-RC</td>
<td>R1/R2</td>
</tr>
</tbody>
</table>

These models incorporate 2, 3, 4 or 5 isolated thick-film resistors of equal value, each connected between two pins.

**Power Temperature Derating Curve**

| Part number suffix examples: -103 = 10K Ω, ±2 %; -103F = 10K Ω, ±1 %; -103D = 10K Ω, ±0.5 %
| Non-standard values available, within resistance range.

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