FEATURES

- Low price.
- High power rating: 0.50 watt at 70°C, 0.75 watt at 40°C.
- Infinite resolution.
- Resistance values through 2,000,000 ohms.
- Easily adjusted with any adjustment tool.
- Low temperature coefficient.
- Extended temperature range: -65° to +125°C.
- Resistance stability under humid conditions.
- Small size: "P" version only .228" above printed circuit board.

STANDARD RESISTANCES

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>3359P Printed Circuit Pins</th>
<th>3359W Printed Circuit Pins (Side Adjust)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>3359P-1-101</td>
<td>3359W-1-101</td>
</tr>
<tr>
<td>200</td>
<td>3359P-1-201</td>
<td>3359W-1-201</td>
</tr>
<tr>
<td>500</td>
<td>3359P-1-501</td>
<td>3359W-1-501</td>
</tr>
<tr>
<td>1,000</td>
<td>3359P-1-102</td>
<td>3359W-1-102</td>
</tr>
<tr>
<td>2,000</td>
<td>3359P-1-202</td>
<td>3359W-1-202</td>
</tr>
<tr>
<td>5,000</td>
<td>3359P-1-502</td>
<td>3359W-1-502</td>
</tr>
<tr>
<td>10,000</td>
<td>3359P-1-103</td>
<td>3359W-1-103</td>
</tr>
</tbody>
</table>

SPECIAL RESISTANCES AVAILABLE FROM 20 TO 2,000,000 OHMS

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>3359 Printed Circuit Pins</th>
<th>3359 Printed Circuit Pins (Side Adjust)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20,000</td>
<td>3359P-1-203</td>
<td>3359W-1-203</td>
</tr>
<tr>
<td>50,000</td>
<td>3359P-1-503</td>
<td>3359W-1-503</td>
</tr>
<tr>
<td>100,000</td>
<td>3359P-1-104</td>
<td>3359W-1-104</td>
</tr>
<tr>
<td>200,000</td>
<td>3359P-1-204</td>
<td>3359W-1-204</td>
</tr>
<tr>
<td>500,000</td>
<td>3359P-1-504</td>
<td>3359W-1-504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>3359P-1-105</td>
<td>3359W-1-105</td>
</tr>
<tr>
<td>2,000,000</td>
<td>3359P-1-205</td>
<td>3359W-1-205</td>
</tr>
</tbody>
</table>

*The last three digits of the part number represent the resistance in standard code.
BOURNS® Variable Resistor Model 3359

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Standard Resistance Range
100 to 2,000,000 ohms

Resistance Tolerance
±20% standard

Absolute Minimum Resistance
2 ohms

Contact Resistance Variation
3 ohms or ±2% of total resistance maximum

Maximum Voltage Across Element
250 volts

Resistance Change After Solvent Bath in FREON® TFE or Trichloroethylene
Less than 1.0%

ENVIRONMENTAL CHARACTERISTICS

Power Ratings, 250 Volts Maximum:
40°C Ambient
0.75 watt
70°C Ambient
0.50 watt
125°C Ambient
0.0 watt

Operating Temperature Range
-65°C to +125°C

Thermal Shock
1% total resistance shift maximum, 5 cycles at -65°C to +125°C

Temperature Coefficient, Maximum
to 1K, 0 to +300 ppm/°C
1K and up, -50 to +150 ppm/°C

Humidity
Less than 1% change in total resistance after 500 hours at 95% relative humidity, 40°C

Load Life
1,000 hours at 70°C

Resistance Shift, Maximum
±2%

Mechanical Life
500 cycles

Resistance Shift, Maximum
10%

PHYSICAL CHARACTERISTICS

Torque
6 oz-in. maximum

Markings
Manufacturer's trademark, model number and resistance value

Mechanical Rotation
270° ±5°

Stop Strength
12 oz-in. minimum

Weight
1.3 grams or 0.046 ounce

Terminals, P and W
Precious metal printed circuit pins

Specifications are subject to change without notice.

*Registered trademark of DuPont Co.

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3359P

3359W

Suggested Board Layout

Note:
1. Screwdriver slot at both ends of shaft

Tolerances, except where noted:

Decimals: XX ±.010, XXX ±.005

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TELEPHONE: (714) 781-5050

LITHO IN U.S.A.