1/4” SQUARE / SINGLE-TURN / CERMET INDUSTRIAL / SEALED

- Miniature industrial single-turn
- 5 standard terminal styles
- Vertical and horizontal adjust types available
- Rotor designed for automatic machine adjust interface
- For tape and reel, see Model 3362

Model 3323
Bourns® Trimming Potentiometer

Electrical Characteristics

- **Standard Resistance Range**: 20 to 2,000,000 ohms (see standard resistance table)
- **Resistance Tolerance**: ± 20% std. (closer tolerance available)
- **Absolute Minimum Resistance**: 1% of 2 ohms (whichever is greater)
- **Contact Resistance Variation**: 1.0% of 3 ohms (whichever is greater)
- **Adjustability**: Voltage ± 0.05%
- **Resistance**: ± 0.15%
- **Resolution**: Infinite
- **Insulation Resistance**: 500 vdc, 1,000 megohms min.
- **Dielectric Strength**: Sea Level: 900 vac, 80,000 vac, 350 vac
- **Adjustment Angle**: 240° nom.

Environmental Characteristics

- **Power Rating (300 volts max.)**: 70°C: 0.5 watt, 125°C: 0 watt
- **Temperature Range**: -55°C to +125°C
- **Temperature Coefficient**: ± 100 ppm/°C max.
- **Seal Test**: 85°C Fluorinert®
- **Humidity**: MIL-STD-202 Method 103
  - 96 hours (2% ΔTR, 10 Megohms IR)
- **Vibration**: 30G (1% ΔTR, 1% ΔVR)
- **Shock**: 100G (1% ΔTR, 1% ΔVR)
- **Load Life**: 1,000 hours 0.5 watt @ 70°C
  - 3% ΔTR, 3% CRV
- **Mechanical Life**: 200 cycles
  - 4% ΔTR, 3% CRV

Physical Characteristics

- **Mechanical Angle**: 270° nom.
- **Torque**: 5.0 oz-in. max.
- **Stop Strength**: 10.0 oz-in. min.
- **Terminals**: Solderable pins
- **Weight**: 0.02 oz.
- **Flammability**: UL94V-0
- **Marking**: Manufacturer's trademark, resistance code, terminal numbers, date code on packaging, manufacturer's model number and style

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Special resistances available from 20 ohms to 2,000,000 ohms.

**STANDARD RESISTANCE TABLE**

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
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<tbody>
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<tr>
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<tr>
<td>2,000,000</td>
<td>205</td>
</tr>
</tbody>
</table>

**HOW TO ORDER**

3323 W - 1 - 103

Model

Style

Standard or Modified

Product Indicator

- 1 = Standard Product
- -10 = 10% Tolerance

Resistance Code

Consult factory for other available options.

Specifications are subject to change without notice.

*"Fluorinert" is a registered trademark of 3M Co.*