Features

- 2 mm Square / Surface Mount / Single-Turn / Sealed
- Compatible with surface mount manufacturing processes
- Miniature design for flexibility
- Constructed with lead free materials
- Automated placement compatible
- Rotor stop for “in circuit” adjustment
- RoHS compliant* - see processing information on RoHS compliant surface mount trimmers

### 3342 - 2 mm Trimpot® Trimming Potentiometer

#### Electrical Characteristics

- **Standard Resistance Range**
  
  100 ohms to 1 megohm (see standard resistance table)

- **Resistance Tolerance**
  
  ±20 % std.

- **End Resistance**
  
  1 % or 2 ohms max.

- **Contact Resistance Variation**
  
  2 % or 3 ohms max. (whichever is greater)

- **Adjustability**
  
  - Voltage Divider: ±0.2 %
  - Rheostat: ±0.4 %

- **Resolution**
  
  Essentially infinite

- **Insulation Resistance @ 500 VDC**
  
  100 megohms min.

- **Dielectric Strength**
  
  - Sea Level: 500 VAC
  - 70,000 Feet: 350 VAC

- **Adjustment Angle**
  
  240 ° nominal

#### Environmental Characteristics

- **Power Rating (50 volts max.)**
  
  - 70 °C: 0.1 watt
  - 125 °C: 0 watt

- **Operating Temperature Range**
  
  - -55 °C to +125 °C

- **Temperature Coefficient**
  
  ±150 ppm/°C

- **Humidity**
  
  MIL-STD-202 Method 106 (no vibration) TRS ±3 %
  
  IR 10 megohms

- **Vibration**
  
  20 G
  
  TRS ±1 %; VRS ±1 %

- **Shock**
  
  100 G
  
  TRS ±1 %; VRS ±1 %

- **Load Life @ 70 °C Rated Power**
  
  50 cycles
  
  TRS ±3 %

- **Rotational Life**
  
  50 cycles
  
  TRS ±3 %

- **Thermal Shock**
  
  5 cycles
  
  TRS ±2 %; VRS ±1 %

#### Physical Characteristics

- **Mechanical Angle**
  
  270 ° nom.

- **Torque**
  
  0.7 oz-in. max.

- **Stop Strength**
  
  1 oz-in. min.

- **Flammability**
  
  U.L. 94V-0

- **Weight**
  
  Approximately 0.032 g

- **Marking**
  
  Resistance code and date code

- **Standard Packaging**
  
  500 pcs./7 " reel

#### How To Order

- **Model**
  
  3342 J - 1 - 502 E

- **Style**

- **Standard Product Indicator**
  
  -1 = Standard Product

- **Resistance Code**

- **Embossed Tape Designator**

#### Recommended Land Pattern

- **Recommended Land Pattern**

<table>
<thead>
<tr>
<th>DIMENSIONS: MM</th>
<th>TOLERANCES:</th>
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</thead>
<tbody>
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<td>0.25 (0.010)</td>
<td>EXCEPT WHERE NOTED</td>
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</tbody>
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Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.
3342 - 2 mm Trimpot® Trimming Potentiometer

Packaging Dimensions

DIMENSIONS: MM

TOLERANCES: 0.25 (.010) EXCEPT WHERE NOTED

RECOMMENDED PCB LAYOUT

MEETS EIA 481

REV. 06/11

“Trimpot” is a registered trademark of Bourns, Inc. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications