**WARNING** Cancer and Reproductive Harm - www.P65Warnings.ca.gov


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### 3314 - 4 mm Square Trimpot® Trimming Potentiometer

#### Electrical Characteristics

- **Standard Resistance Range**
  - 10 ohms to 2 megohms (see standard resistance table)
- **Resistance Tolerance**
  - ±20 % std. (tighter tolerance available)
- **End Resistance**
  - 1 % or 2 ohms max. (whichever is greater)
- **Contact Resistance Variation**
  - ±3 % or 3 ohms
- **Resolution**
  - 3 % or 3 ohms (whichever is greater)

#### Environmental Characteristics

- **Dielectric Strength**
  - Sea Level, 500 vac (1 minute)
  - 100 megohms min.

#### Product Dimensions

- **3314J-1**

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>Width</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>Depth</td>
<td>2.55 (100)</td>
</tr>
</tbody>
</table>

- **3314H-1**

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>Width</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>Depth</td>
<td>5.00 (197)</td>
</tr>
</tbody>
</table>

- **3314G-1**

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>Width</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>Depth</td>
<td>2.55 (100)</td>
</tr>
</tbody>
</table>

#### Features

- Surface Mount / Single Turn / Cermet Industrial / Sealed
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook, gull-wing & pinned configurations
- Side adjust available
- Meets EIA/EIAJ/IPC/VECI SMD standard trimmer designs
- RoHS compliant* - see processing information on lead free surface mount trimmers
- For trimmer applications/processing guidelines, click here

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![Bourns Logo](image_url)

*Common Dimensions - ALL PIN STYLES: STRAIGHT ADJ. SLOT
- 2.45 (99.9) LONG 51 X (505) DEEP
- 2.45 (99.9) WIDE 51 X (505) DEEP
- 2.45 (99.9) CROSS 51 X (505) DEEP
- 2.45 (99.9) ADJ. SLOT 2.45 (99.9) CROSS 51 X (505) DEEP

**Dimensions:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-90</td>
<td>5.00 (197)</td>
</tr>
<tr>
<td>3314J-1</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>3314H-1</td>
<td>4.50 (177)</td>
</tr>
<tr>
<td>3314G-1</td>
<td>4.50 (177)</td>
</tr>
</tbody>
</table>

**Tolerances:** ±0.30 (0.12)

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3314 - 4 mm Square Trimpot® Trimming Potentiometer

Packaging Specifications

**R Style**

- **Tape**
  - 1.75 ± 0.10 (0.088 ± 0.004)
  - 12.00 ± 0.30 (0.472 ± 0.012)

- **Reel**
  - Min. 1.50 (0.059)
  - Equal spaced 3 Plcs.
  - 13.0 ± 0.51 (0.512 ± 0.020)
  - Min. Dia.
  - 20.2 (0.795)
  - 12.4 ± 2.01 (0.488 ± 0.008) (MEASURED AT HUB)
  - 13.00 ± 0.05 (0.512 ± 0.002) DIA.
  - 17.8 ± 2.03 (0.700 ± 0.008)

**R-GMS Style**

- **Tape**
  - 3.5 ± 0.10 (0.138 ± 0.004)
  - 0.25 ± 0.10 (0.018 ± 0.004)
  - 6.48 ± 0.10 (0.255 ± 0.004)
  - 2.00 ± 0.5 (0.079 ± 0.002)
  - 5.26 ± 0.10 (0.207 ± 0.004)
  - 0.6 ± 0.1 (0.024 ± 0.004)
  - 0.80 ± 0.10 (0.031 ± 0.004)

- **Reel**
  - Min. 1.50 (0.059)
  - Equal spaced 3 Plcs.
  - 13.0 ± 0.51 (0.512 ± 0.020)
  - Min. Dia.
  - 20.2 (0.795)
  - 12.4 ± 2.01 (0.488 ± 0.008) (MEASURED AT HUB)
  - 13.00 ± 0.05 (0.512 ± 0.002) DIA.
  - 17.8 ± 2.03 (0.700 ± 0.008)

**S Style**

- **Tape**
  - 3.5 ± 0.10 (0.138)
  - 0.22 ± 0.02 (0.009)
  - 0.33 ± 0.03 (0.013)

- **Reel**
  - Min. 1.50 (0.059)
  - Equal spaced 3 Plcs.
  - 13.0 ± 0.51 (0.512 ± 0.020)
  - Min. Dia.
  - 20.2 (0.795)
  - 12.4 ± 2.01 (0.488 ± 0.008) (MEASURED AT HUB)
  - 13.00 ± 0.05 (0.512 ± 0.002) DIA.
  - 17.8 ± 2.03 (0.700 ± 0.008)

* Embossed Tape Designator "E"
** Embossed Tape Designator "G"
(See How To Order chart for further information.)

Meets EIA specification 481.

**Dimensions:**
- **MM (INCHES)**
- **Tolerances:** ± 0.30 (± 0.012) EXCEPT WHERE NOTED

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**3314 - 4 mm Square Trimpot® Trimming Potentiometer**

### Packaging Specifications

(Z Style)

<table>
<thead>
<tr>
<th>TAPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40 (0.078) MAX.TAPE</td>
</tr>
</tbody>
</table>

### How To Order

**Model**: 3314 J - 1 - 502 E

**Style**

- Standard or Modified Product Indicator (Styles J, G, H & S)
  - -1 = Single Slot
  - -2 = Cross Slot
  - -3 = Single Slot w/Reverse Marking
  - -4 = Cross Slot w/Reverse Marking

**Product Indicator (Style R only)**

- GM5 = Cross Slot w/Extended Lead Frame
  - -1 = Single Slot
  - -2 = Cross Slot
  - -3 = Single Slot w/Reverse Marking
  - -4 = Cross Slot w/Reverse Marking

**Product Indicator (Style Z only)**

- GA4 = Single Slot
  - -1 = Cross Slot
  - -3 = Single Slot w/Reverse Marking
  - -4 = Cross Slot w/Reverse Marking

### Resistance Code

**Embossed Tape Designator (MSL-1)**

- E = Styles J, G and R: 500 pcs./7” reel
- G = Styles J and G: 3000 pcs./13” reel
- Style R: 2500 pcs./13” reel
- Styles S and Z: 1000 pcs./13” reel

**Style H is available in tube packaging only.**

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

### Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>20</td>
<td>200</td>
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<tr>
<td>50</td>
<td>500</td>
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<td>1,000,000</td>
<td>105</td>
</tr>
<tr>
<td>2,000,000</td>
<td>205</td>
</tr>
</tbody>
</table>

Popular distribution values listed in boldface. Special resistances available.

### DIMENSIONS: MM (INCHES)

| TOLERANCES | 0.30 (0.012) EXCEPT WHERE NOTED |

REV. 08/19

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