SMD 4MM SQUARE / SINGLE-TURN CERMET/INDUSTRIAL/OPEN FRAME

- Recommended for reflow solder processing
- Unique cross-slot rotor design suitable for pick and place and automatic adjustment equipment
- Supplied in 12mm embossed tape, compatible with automatic assembly equipment
- Two packaging orientations - "W" and "X"

**Model 3304**

**Trimming Potentiometer**

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**Electrical Characteristics**

- **Standard Resistance Range**: 500 to 1,000,000 ohms
  (see standard resistance table)
- **Resistance Tolerance**: ± 25% std.
- **Absolute Minimum Resistance**: 5% max.
- **Contact Resistance Variation**: 5% max.
- **Resolution**: Infinite
- **Adjustment Angle**: 230° ± 0.5° nom.

**Environmental Characteristics**

- **Power Rating (50 volts max.)**:
  - 70°C: 0.2 watt
- **Temperature Range**: -55°C to +125°C
- **Temperature Coefficient**: ± 200ppm/°C nom.
- **Humidity**: MIL-STD-202, Method 103
  - 500 hours (5% ATR)
- **Vibration**: 30G (2% ΔTR, 2% ΔVR)
- **Shock**: 10G (2% ΔTR, 2% ΔVR)
- **Load Life**: 1,000 hours 0.2 watt at 70°C (5% ATR)
- **Mechanical Life**: 20 cycles (15% ATR)

**Physical Characteristics**

- **Torque (Operating)**: 3.0 oz-in. max.
- **Mechanical Angle**: Continuous
- **Marking**: Manufacturer's trademark, resistance code, manufacturer's full part number and date code on packaging
- **Packaging**: 750 pieces/7″ reel

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**STANDARD RESISTANCE TABLE**

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>601</td>
</tr>
<tr>
<td>1,000</td>
<td>102</td>
</tr>
<tr>
<td>2,000</td>
<td>202</td>
</tr>
<tr>
<td>5,000</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>103</td>
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<tr>
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<td>203</td>
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<td>503</td>
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<tr>
<td>100,000</td>
<td>104</td>
</tr>
<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

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**HOW TO ORDER**

- **Model**: 3304 X - 1 - 103 E
- **Style**
  - Standard or Modified
  - Product Indicator
  - 1 = Standard Product
- **Resistance Code**
- **Embossed Tape Designator**
- Consult factory for other available options.

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**OBsolete**