**TC22 - 2 mm SMD Trimming Potentiometer**

**Features**
- Recommended for reflow processing
- Rotor design compatible with pick and place and automatic adjustment equipment
- 2 mm size meets EIA/EIAJ standard trimmer footprint

**Electrical Characteristics**
- Standard Resistance Range: 100 ohms to 1 megohm (see standard resistance table)
- Resistance Tolerance: ±25 % std.
- Absolute Minimum Resistance: ≤1 K Ohms
- Contact Resistance Variation: 2 % max. of TR
- Resolution: Infinite
- Adjustment Angle: 260 ° ±20 °

**Environmental Characteristics**
- Power Rating (50 VDC max.):
  - 70 °C: 0.1 watt
- Temperature Range: -40 °C to +100 °C
- Temperature Coefficient: ±250 ppm/°C
- Humidity: 95 % RH
- Load Life: @ 70 °C rated power 1000 hours
- Rotational Cycling: 20 cycles
  - TRS ±5 %
  - TRS ±5 %

**Physical Characteristics**
- Torque: 0.49-7.84 mN-m max.
- Mechanical Angle: 270 ° ±20 °
- Marking: Part marking code
- Standard Packaging: 3000 pcs./7” reel

**How To Order**
- Model: TC22 X - 2 - 103 E
- Standard Product Indicator: -2 = Cross Slot Rotor
- Resistance Code
- Embossed Tape Designator: E = 3000 pcs./7” Reel (Standard)

**Recommended Land Pattern**

**Standard Resistance Table**

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>101</td>
</tr>
<tr>
<td>200</td>
<td>201</td>
</tr>
<tr>
<td>500</td>
<td>501</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>
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<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

Popular distribution resistance values listed in boldface.

**RoHS compliant** - see processing information on lead free surface mount trimmers.