**Features**
- High temperature plastic rotor
- Recommended for reflow processing
- Rotor design compatible with pick and place and automatic adjustment equipment
- Supplied in 8 mm embossed tape, compatible with automatic assembly equipment
- Cermet element
- RoHS compliant*

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**TC03 - Trimming Potentiometer**

**Electrical Characteristics**
- **Standard Resistance Range**: 100 to 1 megohm
  (see standard resistance table)
- **Resistance Tolerance**: ±25 % std.
- **Absolute Minimum Resistance**:
  - ≤ 1K Ohms: 20 ohms max.
  - >1K Ohms: 2 % max. of TR
- **Contact Resistance Variation**: 5 % max.
- **Resolution**: Infinite
- **Adjustment Angle**: 270 ° ±20 °

**Environmental Characteristics**
- **Power Rating (50 VDC max.)**: 0.10 watt
- **Temperature Range**: -40 °C to +85 °C
- **Temperature Coefficient**: ±250 ppm/°C
- **Humidity**: 95 %RH
- **TRS max.**: ±5 %
- **Load Life**: @ 70 °C rated power 500 hours
- **Rotational Cycling**: 20 turns

**Physical Characteristics**
- **Torque**: 20-200 g-cm max.
- **Mechanical Angle**: Continuous
- **Marking**: Part marking code

**How To Order**

**TC03 X - 2 - 103 E**

<table>
<thead>
<tr>
<th>Model</th>
<th>Style</th>
<th>Orientation of Parts</th>
<th>In Tape:</th>
<th>Standard or Modified</th>
<th>Product Indicator</th>
<th>Resistance Code</th>
<th>Embossed Tape Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC03X-2</td>
<td>-2</td>
<td>Cross Slot Rotor (Std. Product)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Consult factory for other available options.

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**TC03X-2**

3mm Open Frame for Reflow Soldering

3-Terminal

**Standard Resistance Table**

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Part Marking Code</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>12</td>
<td>101</td>
</tr>
<tr>
<td>200</td>
<td>22</td>
<td>201</td>
</tr>
<tr>
<td>500</td>
<td>52</td>
<td>501</td>
</tr>
<tr>
<td>1,000</td>
<td>13</td>
<td>102</td>
</tr>
<tr>
<td>2,000</td>
<td>23</td>
<td>202</td>
</tr>
<tr>
<td>5,000</td>
<td>53</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>14</td>
<td>103</td>
</tr>
<tr>
<td>20,000</td>
<td>24</td>
<td>203</td>
</tr>
<tr>
<td>50,000</td>
<td>54</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>15</td>
<td>104</td>
</tr>
<tr>
<td>200,000</td>
<td>25</td>
<td>204</td>
</tr>
<tr>
<td>500,000</td>
<td>55</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>16</td>
<td>105</td>
</tr>
</tbody>
</table>

Popular distribution resistance values listed in boldface. Special resistances available.

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

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**REV. 03/07**

Model TC03 is currently available, although not recommended for new designs. Models TC33 & TC43 are preferred.

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**Dx**

**DIMENSIONS ARE: MM**

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*RoHS Compliant*