TC89
9 mm Round Trimming Potentiometer

Features
- 9 mm Round / Single-Turn / Cermet
  Industrial / Open Frame
- Both sides adjust
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs
- RoHS compliant

Electrical Characteristics
- Standard Resistance Range: 100 ohms to 1 megohm
  (see standard resistance table)
- Resistance Tolerance: ±20 % std.
- Absolute Minimum Resistance:
  ≤500 Ohms: 10 ohms max.
  >500 Ohms: 2 % max. of TR
- Contact Resistance Variation: ≤5 % max.
- Resolution: Infinite
- Adjustment Angle: 270° ±15°

Environmental Characteristics
- Power Rating (250 VDC max.):
  70 °C: 0.5 watt
- Temperature Range: -30 °C to +100 °C
- Temperature Coefficient: ±250 ppm/°C
- Humidity: 95 % RH
- TRS ±5 %
- Load Life: 500 hours at 70 °C
- TRS ±5 %
- Rotational Cycling: 50 cycles
  TRS ±1 %

Physical Characteristics
- Torque: 50-350 gf-cm
- Mechanical Angle: 270° ±15°
- Marking: Part marking code
- Standard Packaging: 200 pcs./bag
- Adjustment Tool: H-90
- Aqueous cleaning not recommended

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>
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<tr>
<td>1000</td>
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<td>2000</td>
<td>202</td>
</tr>
<tr>
<td>5000</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>103</td>
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<tr>
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<tr>
<td>100,000</td>
<td>104</td>
</tr>
<tr>
<td>200,000</td>
<td>204</td>
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<tr>
<td>500,000</td>
<td>504</td>
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<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

Popular distribution resistance values listed in **boldface.**

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

REV 05/04

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Suggested PCB Layout

How To Order

TC89 P - 1 - 103

- Model
- Style
- Standard Product Indicator
- Resistance Code

CCW ① WIPER ② ③ CW

DIMENSIONS: MM/INCHES
TOLERANCES: ±25(±.010) EXCEPT WHERE NOTED