Features
- Carbon element
- Assortment of resistance tapers
- Push latching shaft
- Flattened, knurled and slotted shaft styles
- Center detent option

PTP90 Series Panel Control w/ Push Latching Shaft

Electrical Characteristics

- Standard Resistance Range: 1K ohms to 1 megohm
- Standard Resistance Tolerance:
  - R < 250K ohms: ±20 %
  - R ≥ 250K ohms: ±30 %
- End Resistance:
  - R < 50K ohms: 30 ohms max.
  - R ≥ 50K ohms: 0.1 % of TR max.
- Insulation Resistance: @ 250 VDC: 100 megohms min.
- Dielectric Withstanding Voltage: 300 VAC
- Tracking Error: (-40 dB to 0 dB) ±3 dB
- Standard Taper: Linear, Audio
- Power Rating:
  - Linear: 0.05 watt
  - Audio: 0.025 watt
- Operating Voltage: 50 VAC / 10 VDC

Environmental Characteristics

- Operational Life: 15,000 cycles
- TR Shift: ±15 %
- Operating Temperature Range: -10 °C to +55 °C
- Resistance to Solder Heat: ±5 %
- IP Rating: IP 40
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

Mechanical Characteristics

- Mechanical Angle: 310 ° max.
- Operating Torque: 20–250 gf-cm
- Stop Strength: 4 kgf-cm max.
- Mounting Torque: 10 kgf-cm max.
- Shaft Push Latch Force: 40–500 gf
- Push Latch Operating Life: 10,000 cycles
- Soldering Condition:
  - Manual: 300 °C ±5 °C for 3 sec.
  - Wave: 260 °C ±5 °C for 5 sec.
  - Wash: Not recommended
- Hardware: One flat washer and one mounting nut supplied with each potentiometer

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Applications
- Multimedia sound systems
- Mixers / drum machines / DJ equipment
- Portable electronics
- Portable appliances

PTP90 Series Panel Control w/Push Latching Shaft

Additional Shaft Styles

<table>
<thead>
<tr>
<th>Flatted Shaft</th>
</tr>
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<tbody>
<tr>
<td>9.0 ± 0.5</td>
</tr>
<tr>
<td>(0.354 ± 0.020) PUSH TRAVEL</td>
</tr>
<tr>
<td>M7 X 0.75 (0.030)</td>
</tr>
<tr>
<td>DIMENSIONS: MM (INCHES)</td>
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</tr>
</tbody>
</table>

How To Order

PTP90 2 - 0 30 K - 103 B2

Model Number
PTP90 = Panel Control w/Push Latching Shaft

Number of Sections
1 = Single Gang
2 = Dual Gang

Center Detent
0 = No Detent
1 = Center Detent

Shaft Length (FMS)
30 = 30 mm

Shaft Style
F = Flatted Metal
K = Knurled (18 tooth serrated)
S = Slotted Metal

Resistance Code
(See Standard Resistance Table)

Resistance Taper (See Taper Charts)
Taper Series followed by Curve Number

Schematics

Single Gang

Dual Gang

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