

### **Features**

- Carbon element
- Assortment of resistance tapers
- Push latching shaft
- Flatted, 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.
$R \ge 50K$ 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 TaperLinear, Audio
Power Rating
Linear 0.05 watt
Audio
Slider Noise100 mV max.
Operating Voltage 50 VAC / 10 VDC

#### **Environmental Characteristics**

Operational Life	. 15,000 cycles
TR Shift	±15 %
Operating Temperature Ra	ange
1	0 °C to +55 °C
Resistance to Solder Heat	t±5 %
IP Rating	IP 40
Moisture Sensitivity Level	1
ESD Classification (HBM)	N/A

### **Mechanical Characteristics**

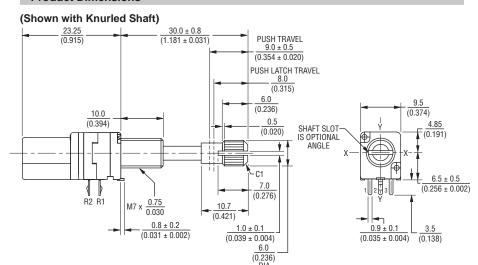
Operating Torque20~250 gf-cm
Stop Strength 4 kgf-cm max.
Mounting Torque 10 kgf-cm max.
Shaft Push Latch Force40~500 gf
Push Latch Operating Life
10,000 cycles
Soldering Condition
Manual 300 °C ±5 °C for 3 sec.
Wave260 °C ±5 °C for 5 sec.
Wash Not recommended
HardwareOne flat washer and

one mounting nut supplied with

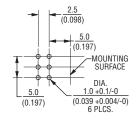
each potentiometer

Mechanical Angle ......310 ° max.

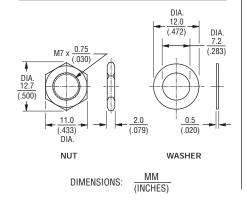
#### **Product Dimensions**



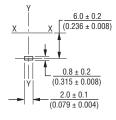
### **Mounting Hole Detail**



## Hardware



## **Locating Lug Detail**



#### **Standard Resistance Table**

Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105



\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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## **Applications**

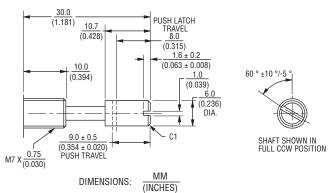
- Multimedia sound systems
- Mixers / drum machines / DJ equipment
- Portable electronics
- Portable appliances

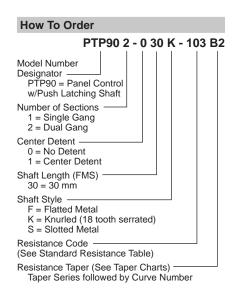
# PTP90 Series Panel Control w/Push Latching Shaft

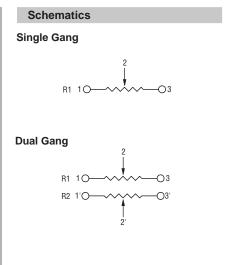
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#### **Additional Shaft Styles** Flatted Shaft 30.0 (1.181) 10.7 (0.428) 8.3 (0.327)(0.394)8.0 4.5 +0/-0.1 60 ° ±10 °/-5 (0.177 + 0.004)(0.315) PUSH LATCH 6.0 +0/-0.05 TRAVEL $(0.236 \pm 0.002)$ C1 $9.0 \pm 0.5$ $\overline{(0.354 \pm 0.020)}$ SHAFT SHOWN IN PUSH TRAVEĹ M7 X (0.030)

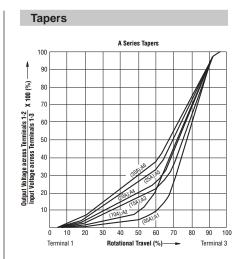
#### **Slotted Shaft**

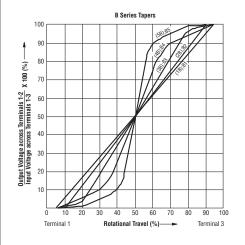


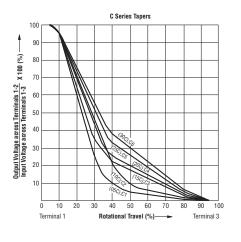




FULL CCW POSITION







REV. 10/19

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