

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 %
$R \ge 250K$ 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 Taper Linear, Audio
Power Rating
Linear 0.05 watt
Audio 0.025 watt
Slider Noise100 mV max.
Operating Voltage 50 VAC / 10 VDC

Environmental Characteristics

Operational Life15,000	0 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

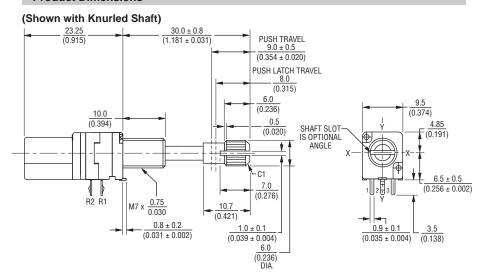
Mechanical Characteristics

Operating	Iorque	2	0~250 gt-cm	١
Stop Stren	gth	4	kgf-cm max.	
Mounting 7	Гorque	10	kgf-cm max.	
Shaft Push	ı Latch For	ce	40~500 gt	f
Push Latch	n Operating	j Life		
		1	0,000 cycles	5
Soldering (Condition			
Manual.	300	°C ±5	°C for 3 sec.	
Wave	260	°C ±5	°C for 5 sec.	
Wash		Not re	commended	l
Hardware.	C	ne flat	washer and	l
0	ne mountir	ig nut s	supplied with	ı

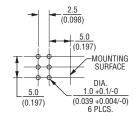
each potentiometer

Mechanical Angle310 ° max.

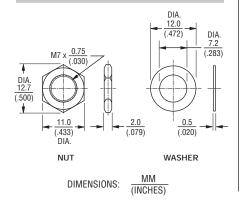
Product Dimensions



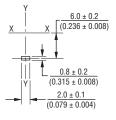
Mounting Hole Detail



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



Applications

- Multimedia sound systems
- Mixers / drum machines / DJ equipment

 $\overline{(0.354 \pm 0.020)}$

PUSH TRAVEĹ

- Portable electronics
- Portable appliances

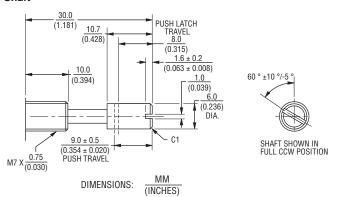
PTP90 Series Panel Control w/Push Latching Shaft

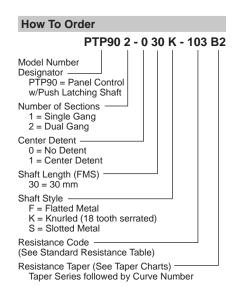
BOURNS®

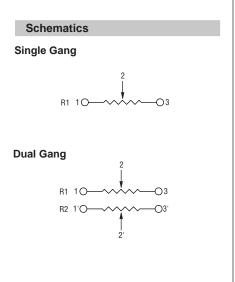
Additional Shaft Styles Flatted Shaft 30.0 (1.181) 10.7 (0.428) 8.3 (0.327)(0.394)8.0 4.5 +0/-0.1 60 ° ±10 °/-5 (0.177 + 0.004)(0.315) PUSH LATCH 6.0 +0/-0.05 TRAVEL (0.236 ± 0.002) C1 9.0 ± 0.5

Slotted Shaft

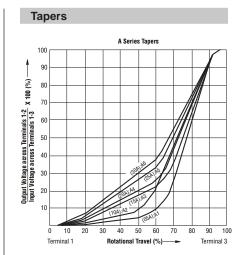
M7 X (0.030)

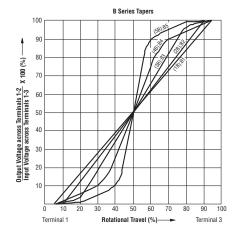


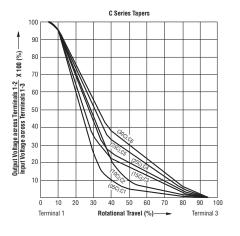




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