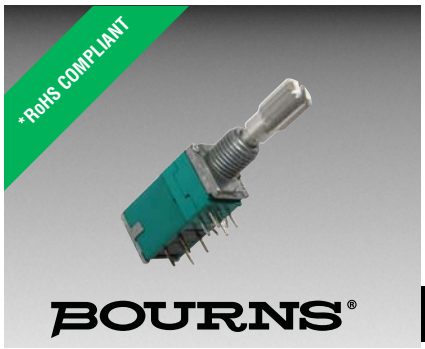


Features

- Carbon element
- Assortment of resistance tapers
- Variety of shaft lengths
- Flatted, knurled and slotted shaft styles
- Center detent option

BOURNS® PRO AUDIO

PTM90 Series Panel Control w/Push-Push Switch

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
Slider Noise .....100 mV max.
Operating Voltage..... 50 VAC / 10 VDC

Environmental Characteristics

Operational Life .....15,000 cycles
TR Shift.....±15 %
Operating Temp. Range ...-10 °C to +55 °C
Resistance to Solder Heat.....±5 %
IP Rating.....IP 40

Mechanical Characteristics

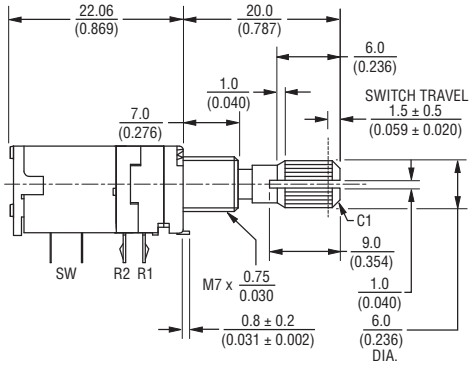
Mechanical Angle .....300 ° ±3 °
Operating Torque.....20~250 gf-cm
Stop Strength..... 5 kgf-cm min.
Mounting Torque..... 10 kgf-cm max.
Shaft Push/Pull Strength ..... 10 kgf max.
Soldering Condition
Manual .....300 °C ±5 °C for 3 sec.
Wave.....260 °C ±5 °C for 5 sec.
Wash..... Not recommended
Hardware.....One flat washer and one mounting nut supplied with each potentiometer

Switch Characteristics

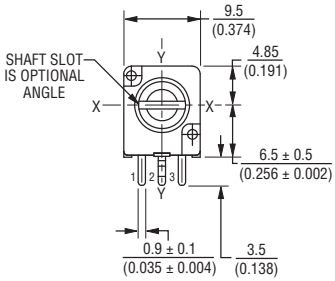
Power Rating.....3 A @ 16 VDC
Contact Resistance .....100 milliohms
Dielectric Strength
Bushing to Terminals.....300 VAC
Switch Terminals.....50 VAC
Insulation Resistance
Bushing to Terminals @ 250 VAC
..... 100 megohms
Switch Terminals @ 50 VAC
..... 10 megohms
Switch Type ..... Push on - Push off
Contact Arrangement..... SPDT
Switch Stroke.....1.5 ± 0.1 mm
Operating Force..... 2 kgf max.
Operating Life.....10,000 cycles

Product Dimensions

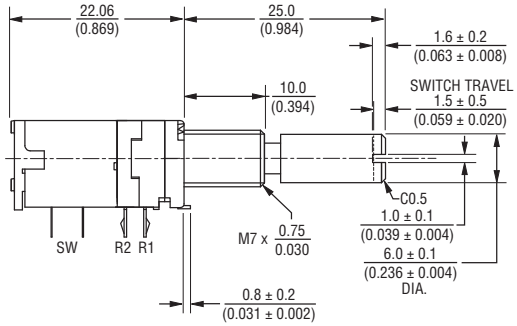
Knurled Shaft

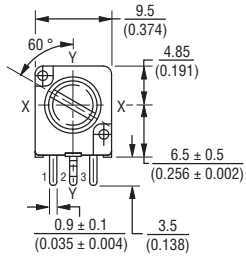


DIMENSIONS: MM (INCHES)



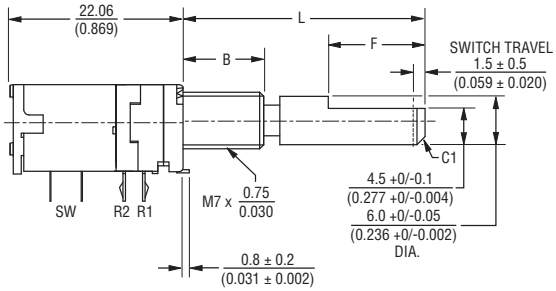
Slotted Shaft

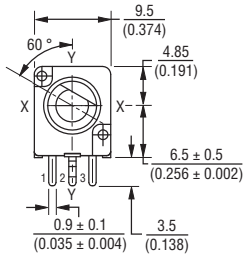




SHAFT SHOWN IN FULL CCW POSITION

Flatted Shaft





SHAFT SHOWN IN FULL CCW POSITION

Dimensions		
L	20 (0.787)	30 (1.181)
B	7 (0.276)	10 (0.394)
F	10 (0.694)	12 (0.472)

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

PTM90 Series Panel Control w/Push-Push Switch

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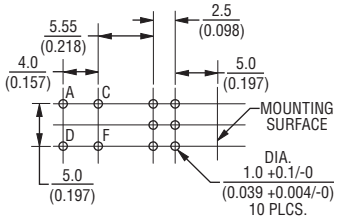
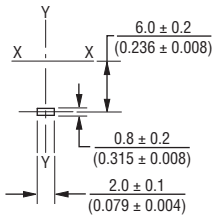
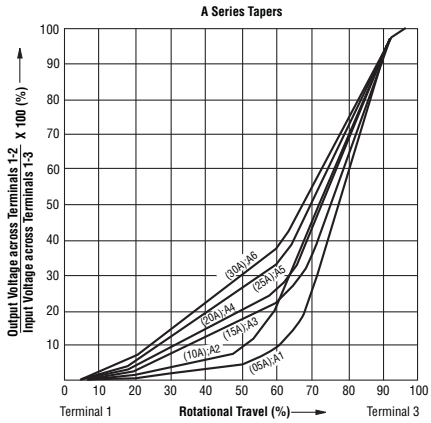
Mounting Hole Detail

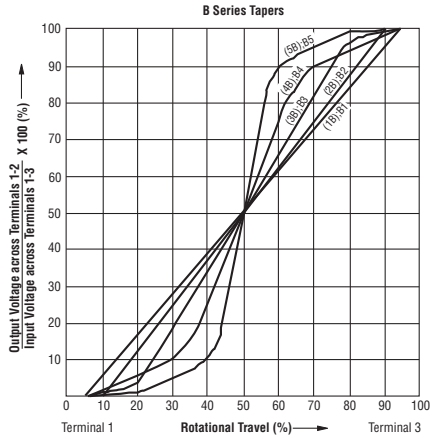


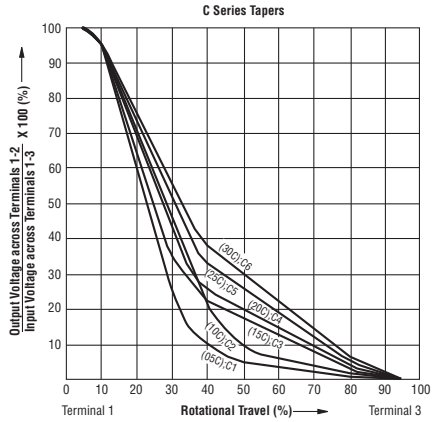
Locating Lug Detail



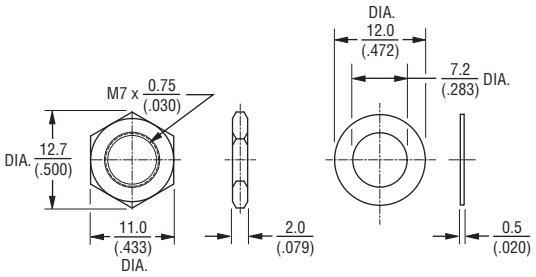
Tapers







Hardware



DIMENSIONS: MM / (INCHES)

NUT **WASHER**

How To Order

PTM90 2 - 0 25 S - 103 B2

Model Number Designator
PTM90 = Panel Control w/Push-Push Switch

Number of Sections
2 = Dual Gang

Center Detent
0 = No Detent
1 = Center Detent

Shaft Length (FMS)
20 = 20 mm (Knurled and Flatted shaft)
25 = 25 mm (Slotted shaft only)
30 = 30 mm (Flatted shaft only)

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

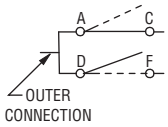
Resistance Code
(See Standard Resistance Table)

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

Standard Resistance Table

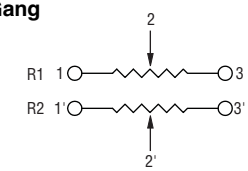
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Switch Circuit



Schematic

Dual Gang



REV. 03/13

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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