



Features

- Carbon element
- Metal housing
- 45-100 mm travel
- Single and dual gang
- Dust cover option
- RoHS compliant*



PTB Series - Low Profile Slide Potentiometer

Electrical Characteristics

Taper..... Linear, audio
 Standard Resistance Range
5K ohms to 200K ohms
 Standard Resistance Tolerance..... $\pm 20\%$
 Residual Resistance
500 ohms or 1 % max.
 Insulation Resistance
 Min. 100 megohms at 250 V DC

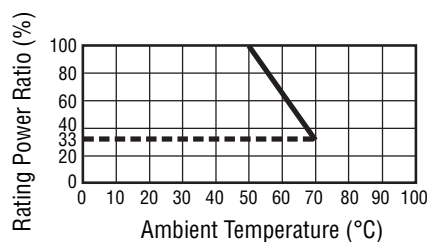
Environmental Characteristics

Operating Temperature
 -10°C to $+60^{\circ}\text{C}$
 Power Rating, Linear
 45 mm0.125 W (0.06 W Dual Gang)
 60 mm0.25 W (0.125 W)
 100 mm0.5 W (0.5 W)
 Power Rating, Audio
 45 mm ..0.025 W (0.015 W Dual Gang)
 60 mm0.25 W (0.125 W)
 100 mm0.25 W (0.25 W)
 Maximum Operating Voltage - Linear
 45 mm350 VDC
 60-100 mm.....500 VDC
 Maximum Operating Voltage - Audio
 45 mm250 VDC
 60-100 mm Travel350 VDC
 Withstand Voltage, Audio
1 Min. at 500 V AC
 Tracking Error.....3 dB at 50 % of travel

Mechanical Characteristics

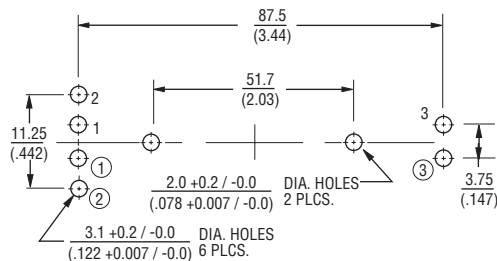
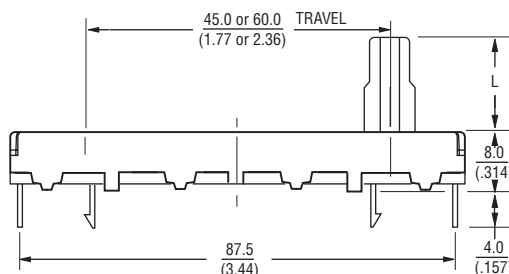
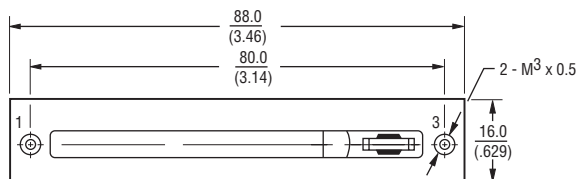
Operating Force10 to 100 g-cm
 Stop Strength5 kg-cm min.
 Sliding Life.....15,000 cycles
 Soldering Condition
 300°C max. within 3 seconds
 Travel45, 60, 100mm

Derating Curve



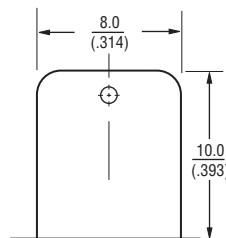
Product Dimensions

PTB45 and PTB60



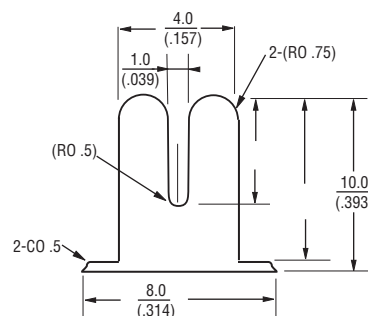
Numbers ①, ② and ③ for Dual Gang Versions

Lever Style
BP Metal Lever



Thickness = 1.2 mm

AP Metal Lever



Thickness = 1.2 mm

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

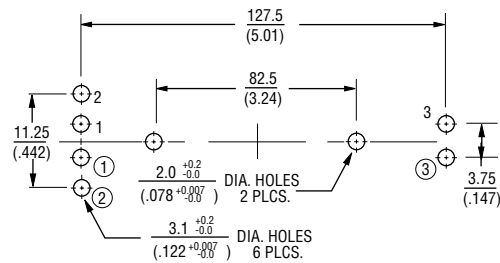
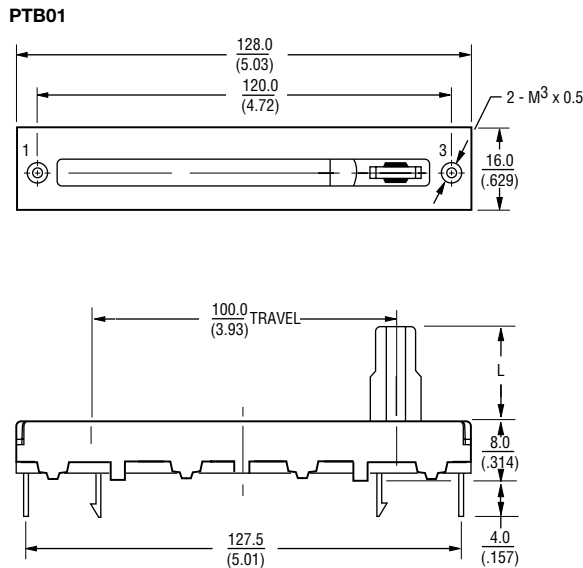
Applications

- Audio/TV sets
- Car radio
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

PTB Series - Low Profile Slide Potentiometer

BOURNS®

Product Dimensions



Numbers ①, ② and ③ for Dual Gang Versions

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

How To Order

PTB 01 4 3 - 2 0 10 BP A 102

- Model _____
- Stroke Length _____
- 45 = 45 mm
 - 60 = 60 mm
 - 01 = 100 mm
- Dust Cover Option _____
- 4 = No Dust Cover
 - 5 = Rubber Dust Cover
- No. of Gangs _____
- 3 = Single Gang
 - 4 = Dual Gang
- Pin Style _____
- 2 = PC Pins Down Facing
- No Detent _____
- Standard Lever Length _____
- 10 = 10 mm
- Lever Style _____
- BP = Metal Lever (Refer to Drawing)
 - AP = Metal Lever (Refer to Drawing)
- Resistance Taper _____
- A = Audio Taper
 - B = Linear Taper
- Resistance Code (See Table) _____

Other styles available.

Standard Resistance Table

Resistance (Ohms)	Resistance Code
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204