

## **Features**

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



## BOURNS

## **PTB Series - Low Profile Slide Potentiometer**

## **Electrical Characteristics**

Taper.....Linear, audio Standard Resistance Range .....5K ohms to 200K ohms Standard Resistance Tolerance.....±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 °C Power Rating, Linear 45 mm .... 0.125 W (0.06 W Dual Gang) 60 mm ...... 0.25 W (0.125 W) 100 mm ...... 0.5 W (0.5 W) Power Rating, Audio 45 mm ..0.025 W (0.015 W Dual Gang) 100 mm ...... 0.25 W (0.25 W) Maximum Operating Voltage - Linear 45 mm ...... 350 VDC 60-100 mm ...... 500 VDC Maximum Operating Voltage - Audio 45 mm ...... 250 VDC

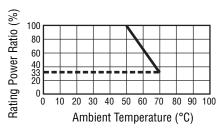
Withstand Voltage, Audio ...... 1 Min. at 500 V AC Tracking Error....... 3 dB at 50 % of travel Moisture Sensitivity Level ......1 ESD Classification (HBM) .....N/A

60-100 mm Travel ...... 350 VDC

## **Mechanical Characteristics**

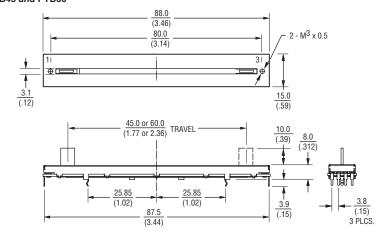
Operating Force ......10 to 100 gf Stop Strength ...... 5 kgf min. Sliding Life......15,000 cycles Soldering Condition ...... 300 °C max. within 3 seconds Travel ......45, 60, 100 mm

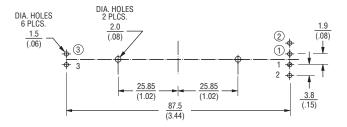
#### **Derating Curve**



#### **Product Dimensions**

#### PTB45 and PTB60

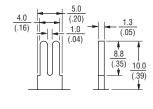




Numbers (1), (2) and (3) for Dual Gang Versions

## **Lever Styles**

#### **AP Metal Lever**



#### **BP Metal Lever**



DIMENSIONS:

MM (INCHES)



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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## **Applications**

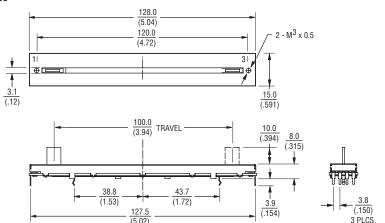
- Audio/TV sets
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

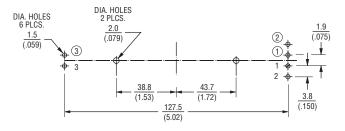
# **PTB Series - Low Profile Slide Potentiometer**

## **BOURNS**®

## **Product Dimensions**

#### PTB100

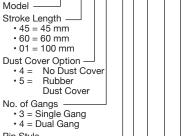




Numbers 1, 2 and 3 for Dual Gang Versions

DIMENSIONS: (INCHES)

## **How To Order** PTB 01 4 3 - 2 0 10 BP A 102



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

## **Schematics**



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