

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 Range5K 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

60-100 mm Travel 350 VDC

Withstand Voltage, Audio

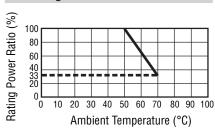
...... 1 Min. at 500 V AC Tracking Error....... 3 dB at 50 % of travel Moisture Sensitivity Level1 ESD Classification (HBM)N/A

Mechanical Characteristics

Operating Force 10 to 100 g-cm Stop Strength 5 kg-cm min. Sliding Life......15,000 cycles

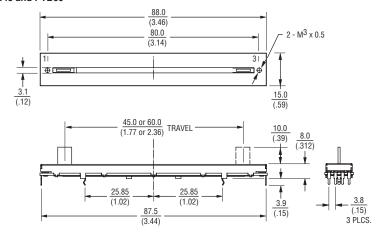
Soldering Condition 300 °C max. within 3 seconds Travel45, 60, 100mm

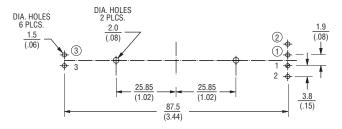
Derating Curve



Product Dimensions

PTB45 and PTB60

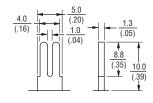




Numbers (1), (2) and (3) for Dual Gang Versions

Lever Styles

AP Metal Lever



BP Metal Lever



DIMENSIONS:

MM (INCHES)



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

*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.

Users should verify actual device performance in their specific applications.

Applications

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

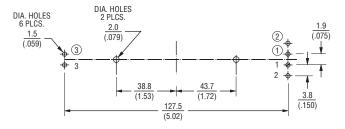
Product Dimensions

Appliances

PTB Series - Low Profile Slide Potentiometer

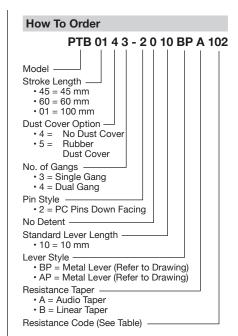
BOURNS®

PTB100 128.0 (5.04) 120.0 $2 - M^3 \times 0.5$ (4.72)31 **⊕** [15.0 (.591)TRAVFI (.394)(.315) 38.8 (1.53) 43.7 (1.72)



Numbers 1, 2 and 3 for Dual Gang Versions

DIMENSIONS: (INCHES)



Other styles available.

(.150)

3 PLCS.

(.154)

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 |

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