



**BOURNS®**

### Features

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

### Applications

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

## PTB Series - Low Profile Slide Potentiometer

### Electrical Characteristics

Taper .....A, B  
 Standard Resistance Range  
 .....1K ohms to 1M ohms  
 Standard Nominal Resistance Value  
 .....See standard resistance table  
 Standard Resistance Tolerance .....±20%  
 Residual Resistance  
 .....500 ohms maximum or 1%  
 Insulation Resistance  
 .....Min. 100 megohms at 250V DC

### Environmental Characteristics

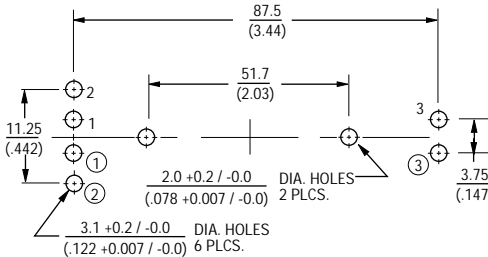
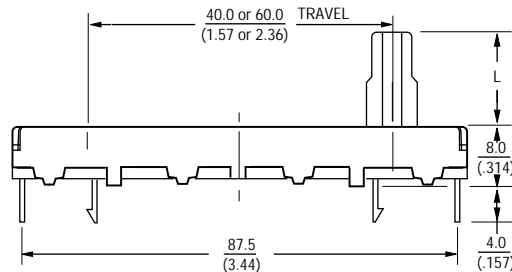
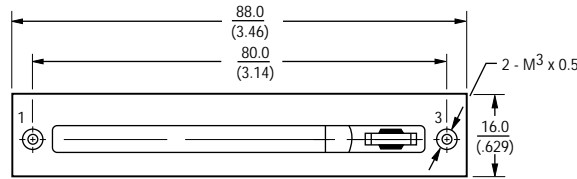
Power Rating, B Taper  
 45mm .....0.125W (0.06W Dual Gang)  
 60mm .....0.25W (0.125W)  
 100mm .....0.5W (0.5W)  
 Power Rating, A Taper  
 45mm .....0.025W (0.015W Dual Gang)  
 60mm .....0.25W (0.125W)  
 100mm .....0.25W (0.25W)  
 Rated Voltage, B Taper  
 45mm .....350V DC  
 60-100mm .....500V DC  
 Rated Voltage, A Taper  
 45mm .....250V DC  
 60-100mm .....350V DC  
 Withstand Voltage, A Taper .....1 Min.  
 at 500V AC  
 Tracking Error .....3 dB at -40 to 0 dB

### Physical Characteristics

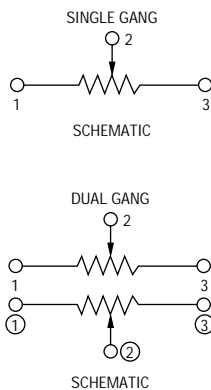
Travel .....45, 60, 100mm  
 Operating Force .....50 to 350 gcm  
 Lever Stop Strength .....5 kgcm min.  
 Rotational Life .... 15,000 cycles minimum  
 Soldering Condition .....300°C max.  
 within 3 seconds

### Product Dimensions

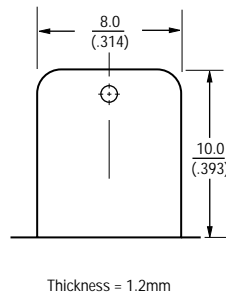
#### PTB45 and PTB60



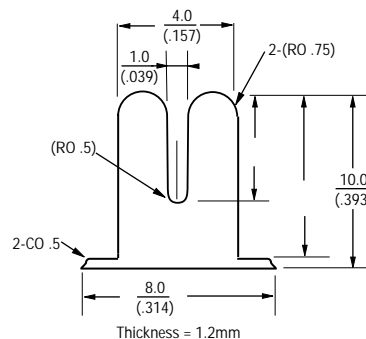
Numbers ①, ② and ③ for Dual Gang Versions



Lever Style  
BP Metal Lever



AP Metal Lever



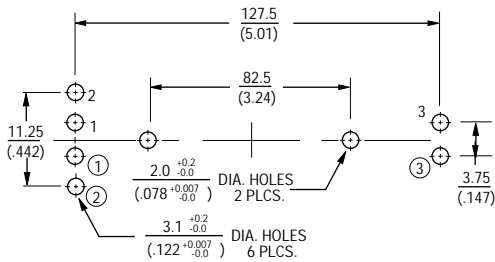
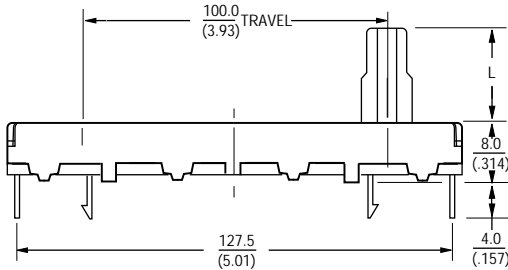
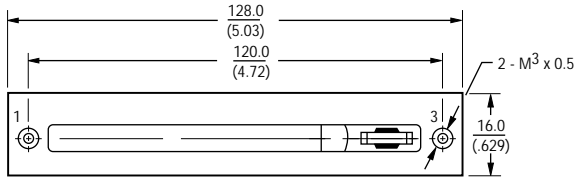
DIMENSIONS ARE: METRIC (INCHES)

# PTB Series - Low Profile Slide Potentiometer



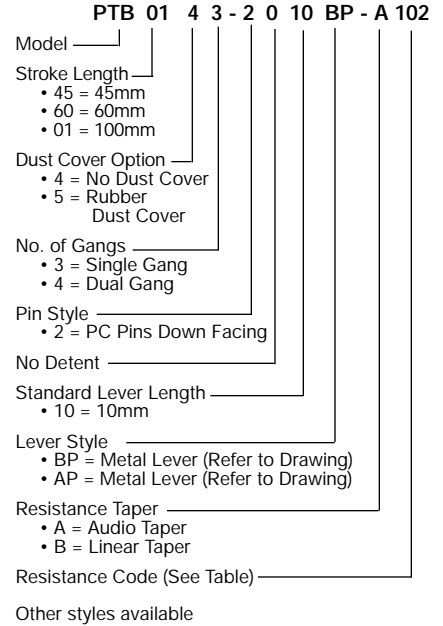
## Product Dimensions

PTB01



Numbers ①, ② and ③ for Dual Gang Versions

## How To Order

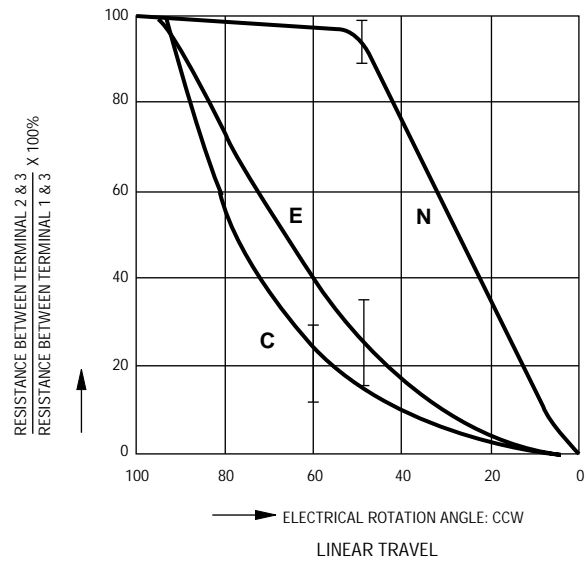
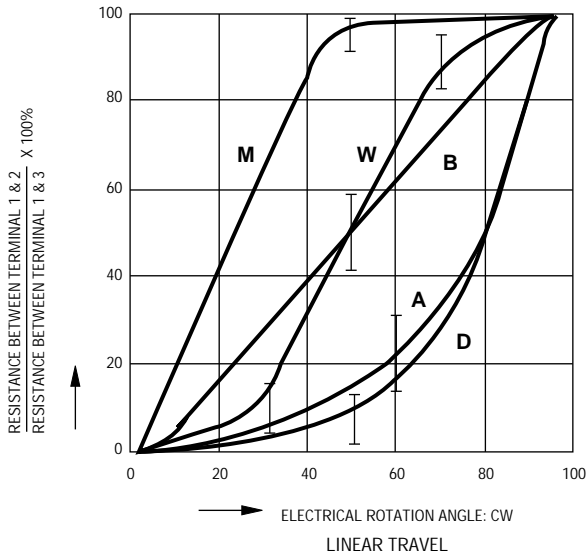


## Standard Resistance Table

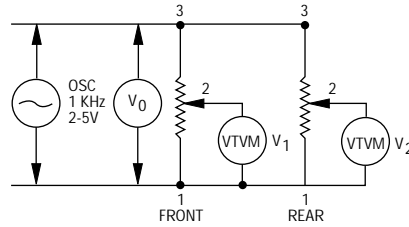
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

# Taper Characteristics

**BOURNS®**



## TEST METHOD



$$\text{GANG ERROR: } 20 \text{ LOG } \frac{V_2}{V_1} \text{ (dB)}$$

$$\text{ATTENUATION: } 20 \text{ LOG } \frac{V_1 \text{ OR } V_2}{V_0} \text{ (dB)}$$