



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Features

- Low torque
- Carbon element
- Plain or knurled shaft option
- Metal bushing
- Metal shaft
- Rear solder lugs
- Audio or linear taper options



- Variety of resistance values
- RoHS compliant*

PDB241-GTR Series - 24 mm Guitar Potentiometer

Electrical Characteristics

Taper.....Audio, linear
 Standard Resistance10K to 1M ohms
 Standard Resistance Tolerance.....±20 %

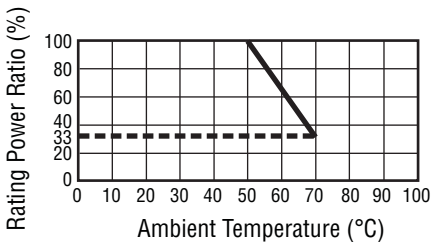
Environmental Characteristics

Operating Temperature-10 °C to +70 °C
 Power Rating0.25 watt
 Maximum Operating Voltage250 V
 Rotational Noise150 mV max.

Mechanical Characteristics

Mechanical Angle300 ° ±5 °
 Rotational Torque10 to 45 g-cm
 Stop Strength.....8 kg-cm min.
 Rotational Life.....15,000 cycles min.
 Soldering Condition
 Manual Soldering300 °C within 3 seconds
 Wave Soldering260 °C within 3 seconds
 HardwareTwo flat washers and two mounting nuts supplied per potentiometer

Derating Curve

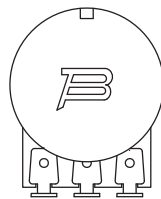
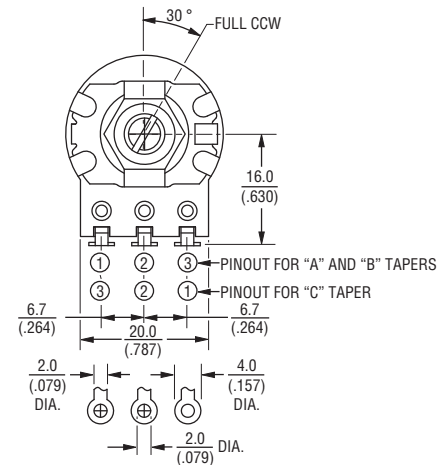
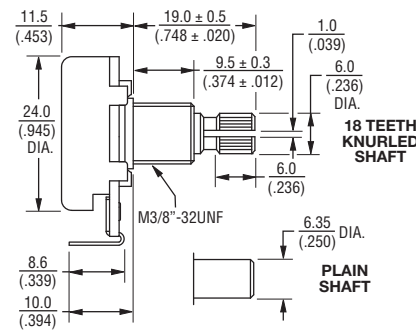


Standard Resistance Table

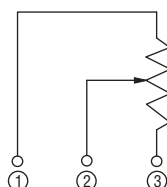
Resistance (Ohms)	Resistance Code
10,000	103
25,000	253
50,000	503
100,000	104
250,000	254
300,000	304
500,000	504
1,000,000	105

Product Dimensions

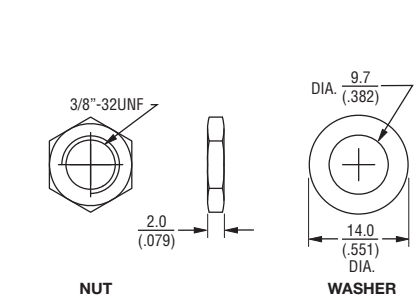
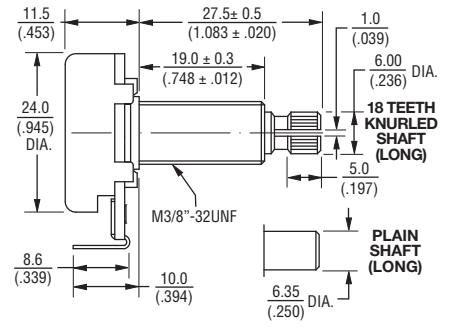
PDB241-GTR01



Circuit



PDB241-GTR03



TOLERANCES:
 UNDER 10.0 = ±0.3 / (.394) = (±.012) 10.0 ~ 100 = ±0.5 / (.394 - 3.937) = (±.020)

DIMENSIONS: MM / (INCHES)

How To Order

PDB24 1 - GTR 01 - 504 A2

Model _____
 Number of Units _____
 1 = Single
 Guitar Pot Designator _____
 Configuration _____
 1 = Knurled Shaft / Solder Lugs
 2 = Plain Shaft / Solder Lugs
 3 = Knurled Shaft (Long) / Solder Lugs
 4 = Plain Shaft (Long) / Solder Lugs
 Resistance Code (See Table) _____
 Resistance Taper (See Taper Charts) _____

*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.

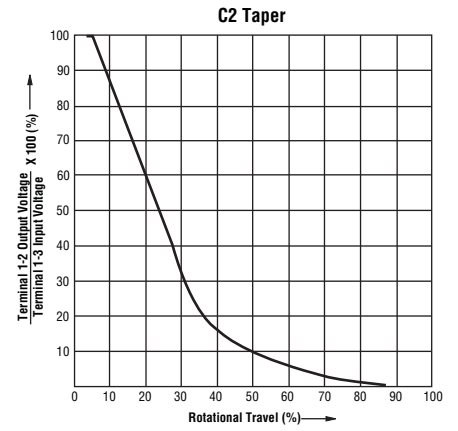
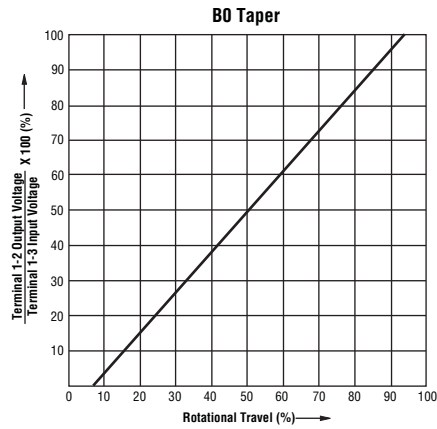
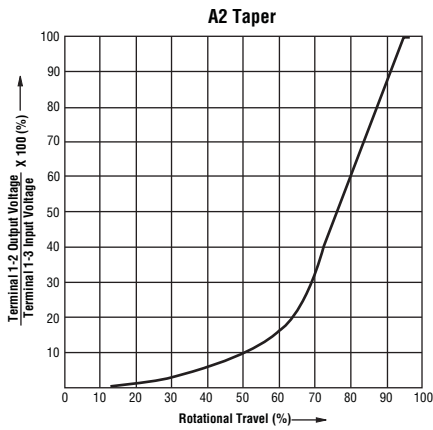
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

PDB241-GTR Series - 24 mm Guitar Potentiometer

BOURNS®

Taper Charts



Other tapers available.

REV. 11/13

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