



Features

- Carbon element
 - Plain or knurled shaft option
 - Metal bushing
 - Metal shaft
 - Rear solder lugs
 - Audio or linear taper options
 - Variety of resistance values

- Detent at “no-load” position
 - RoHS compliant*

PDB241-GNL Series - “No-Load” Guitar Potentiometer

Electrical Characteristics

Taper.....Audio, linear
Standard Resistance 10K to 1M ohms
Standard Resistance Tolerance.....±20 %

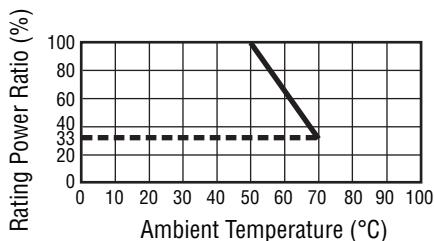
Environmental Characteristics

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

Mechanical Characteristics

Mechanical Angle	300 ° ± 5 °
Rotational Torque	50 to 150 gf-cm
Stop Strength	8 kg-cm min.
Rotational Life	15,000 cycles min.
Detent Position	300 °
Detent Torque	100-300 gf-cm
Soldering Condition	
Manual Soldering	
.....	300 °C within 3 seconds
Wave Soldering	
.....	260 °C within 3 seconds
Hardware	Two 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



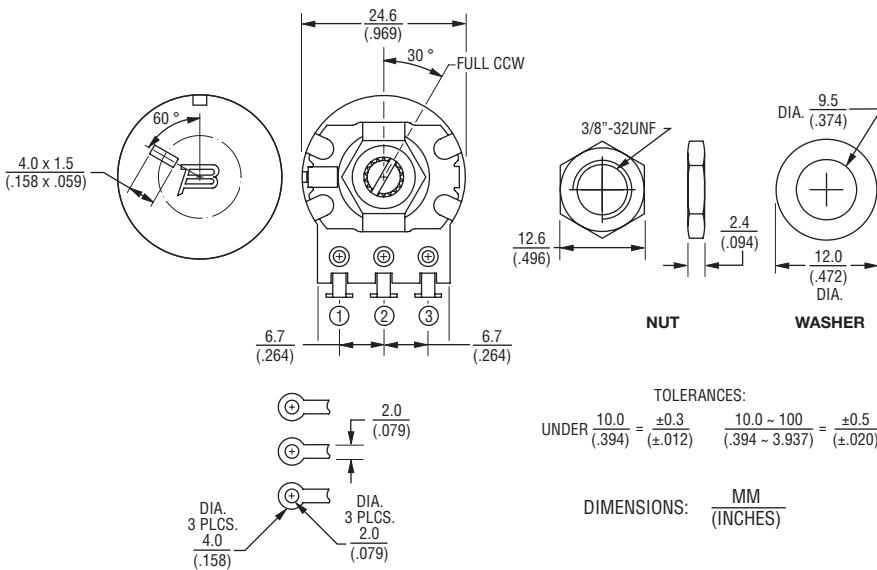
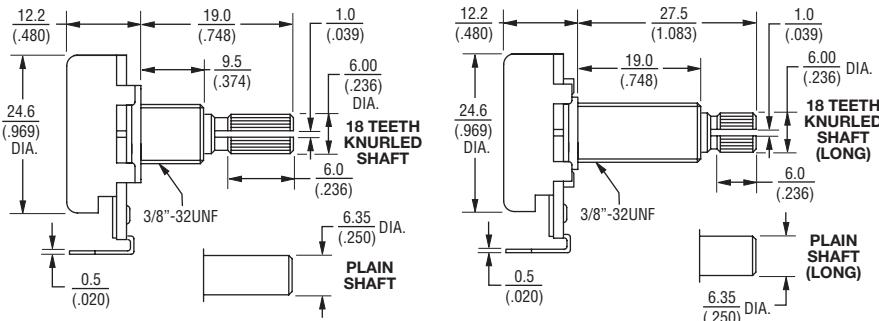
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.

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Product Dimensions



How To Order

PDB24 1 - GNL 01 - 504 A2

Model _____

Number of Units _____
1 = Single

Guitar Pot Designator _____

Configuration _____

01 = Knurled Shaft (18-Tooth) /
Solder Lugs

02 = Plain Shaft / Solder Lugs

03 = Knurled Shaft (18-Tooth, Long) /
Solder Lugs

04 = Plain Shaft (Long) / Solder Lugs

11 = Knurled Shaft (24-Tooth) /
Solder Lugs

13 = Knurled Shaft (24-Tooth, Long) /
Solder Lugs

Resistance Code (See Table) _____

Resistor Type (S, T, C, G, S, G, T, C)

Circuit



Additional Information

Click these links for more information:



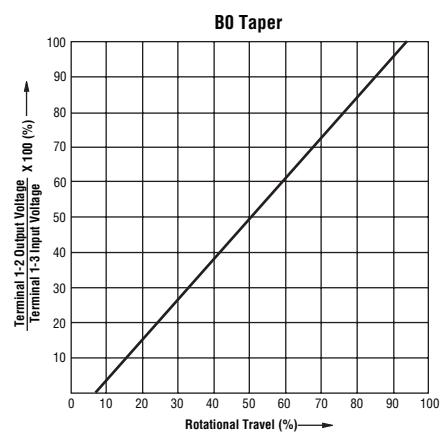
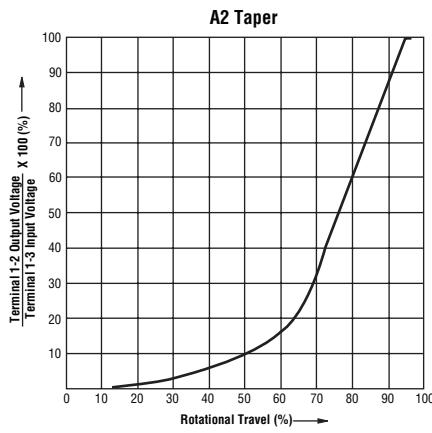
Resistance Code (See Table) _____

Resistance Taper (See Taper Charts)

PDB241-GNL Series - “No-Load” Guitar Potentiometer

BOURNS®

Taper Charts



Inquire for availability of other tapers.

REV. 09/24

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