

Features

- Standard or high torque option
- Long life carbon element
- Plain or knurled shaft option
- Brass bushing
- Metal shaft
- Audio or linear taper options
- Variety of resistance values



This series is obsolete and not recommended for new designs.

PDA24 - 24 mm Long Life Potentiometer

Electrical Characteristics

Taper.....Audio, linear
Standard Resistance
.....from 10K to 1M ohms
Standard Resistance Tolerance.....±15 %

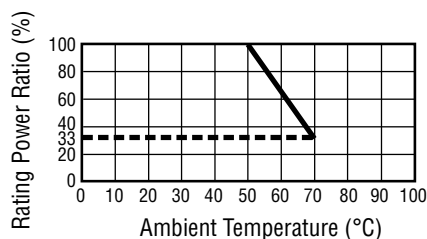
Environmental Characteristics

Operating Temperature
.....-10 °C to +70 °C
Power Rating
Linear Taper0.5 watt
Audio Taper0.25 watt
Maximum Operating Voltage
Linear Taper500 V
Audio Taper250 V
Rotational Noise100 mV max.

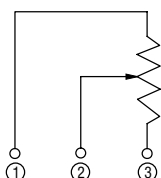
Mechanical Characteristics

Mechanical Angle300 ° ±5 °
Rotational Torque
Standard.....20 to 40 g-cm
High.....70 to 100 g-cm
Stop Strength.....7 kg-cm min.
Rotational Life
.....200,000 shaft revolutions
Soldering Condition
Manual Soldering
.....300 °C within 3 seconds
Wave Soldering
.....260 °C within 5 seconds
HardwareOne flat washer and
mounting nut supplied per
potentiometer with bushing

Derating Curve

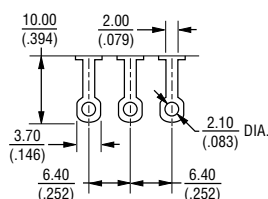
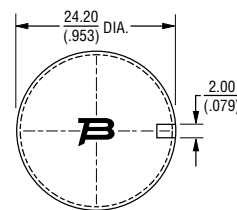
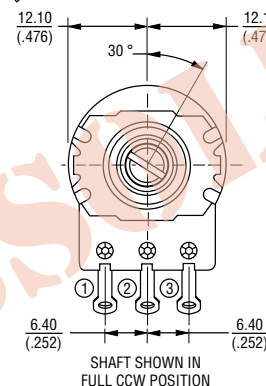
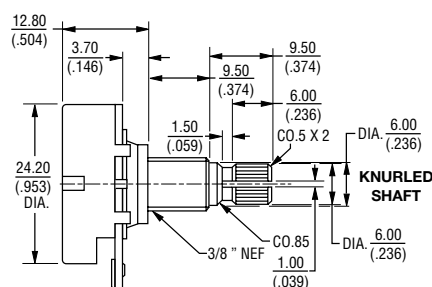


Circuit



Product Dimensions

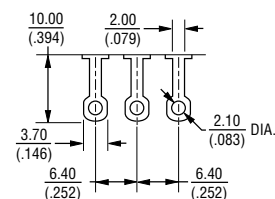
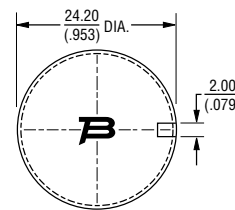
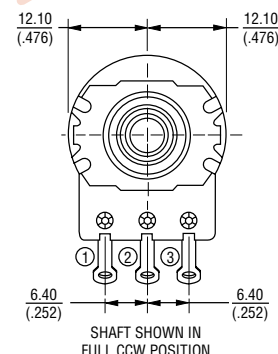
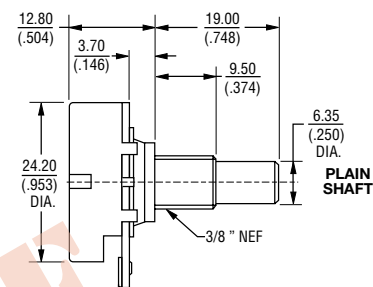
PDA241-xxx00, PDA241-xxx01



TOLERANCES:
UNDER $\frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm 0.012)}$ $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm 0.020)}$

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

PDA241-xxx02



TOLERANCES:
UNDER $\frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm 0.012)}$ $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm 0.020)}$



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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Additional Features

- Long life
- Long solder lugs
- $\pm 15\%$ resistance tolerance
- Anti-rotation pins
- RoHS compliant*

Applications

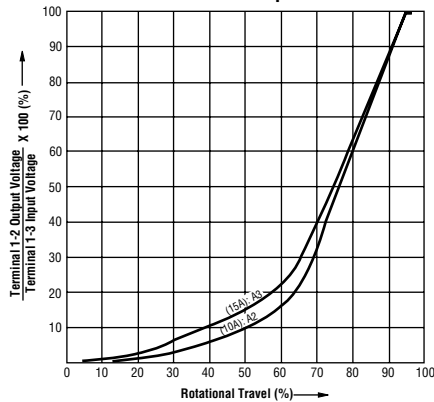
- Electric guitars
- Bass guitars
- Guitar amplifiers

PDA24 - 24 mm Long Life Potentiometer

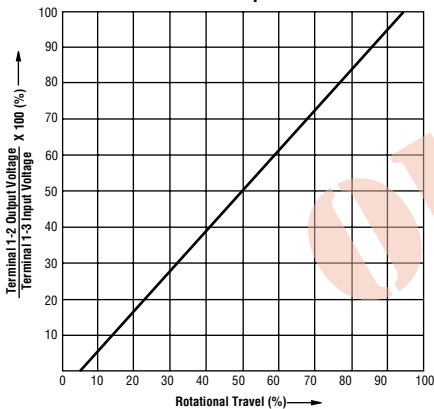
BOURNS®

Tapers

A Series Tapers



B0 Taper



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

How To Order

PDA24 1 - SRT 01 - 504 A2

Model _____
 Number of Units _____
 1 = Single
 Torque Option _____
 Standard = SRT
 High = HRT
 Configuration _____
 00 = Knurled Shaft (18 Teeth) / Long Solder Lugs
 01 = Knurled Shaft (24 Teeth) / Long Solder Lugs
 02 = Plain Shaft / Long Solder Lugs
 Resistance Code (See Table) _____
 Resistance Taper (See Taper Charts) _____

BOURNS®

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