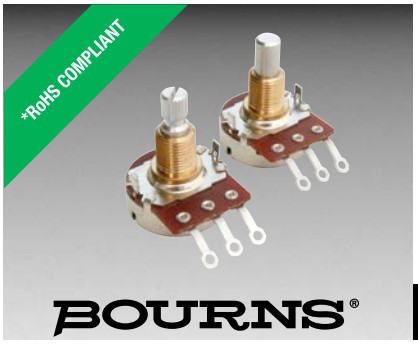


Features

- 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

BOURNS® PRO AUDIO

This series is currently available but 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 %

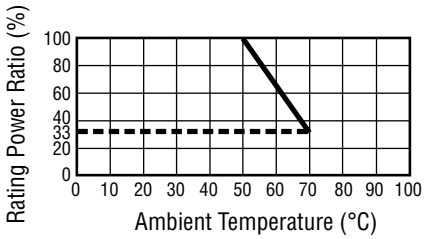
Environmental Characteristics

Operating Temperature
.....-10 °C to +70 °C
Power Rating
Linear Taper ..... 0.5 watt
Audio Taper ..... 0.25 watt
Maximum Operating Voltage
Linear Taper .....500 V
Audio Taper .....250 V
Rotational Noise .....100 mV max.

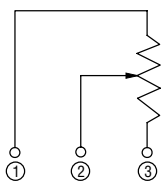
Mechanical Characteristics

Mechanical Angle .....300 ° ±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
Hardware.....One flat washer and mounting nut supplied per potentiometer with bushing

Derating Curve

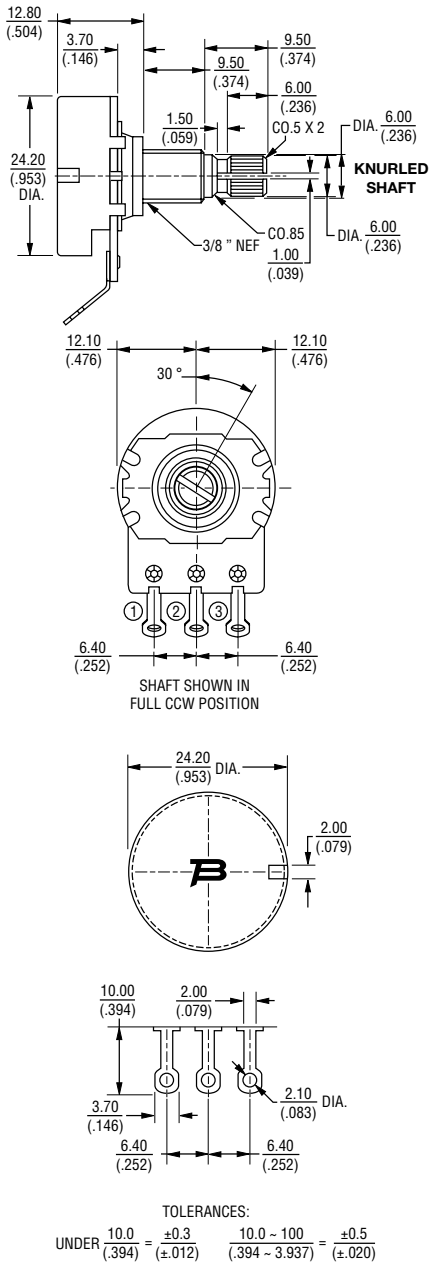


Circuit



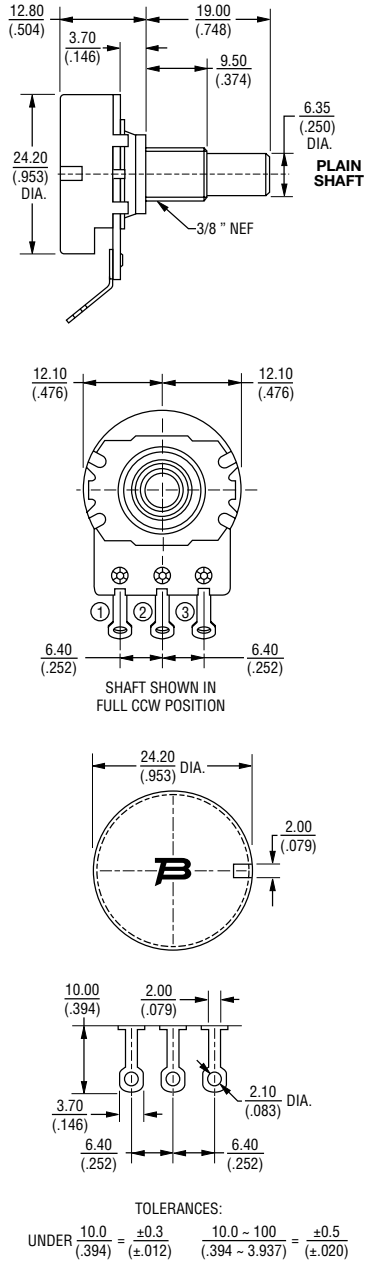
Product Dimensions

PDA241-xxx00, PDA241-xxx01



DIMENSIONS: MM / (INCHES)

PDA241-xxx02



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.

Additional Features

- Long life
- Long solder lugs
- ±15 % resistance tolerance
- Anti-rotation pins
- RoHS compliant*

Applications

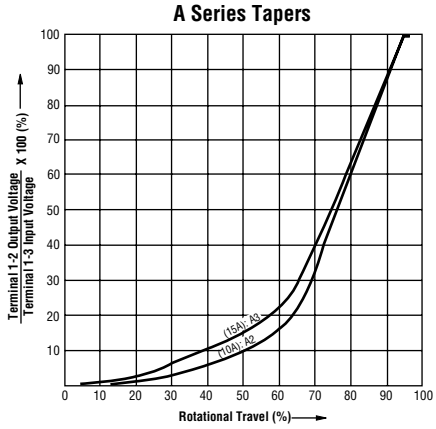
- Electric guitars
- Bass guitars
- Guitar amplifiers

PDA24 - 24 mm Long Life Potentiometer

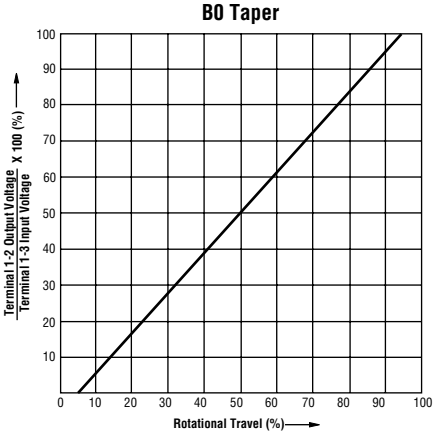
BOURNS®

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)

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REV. 11/19

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