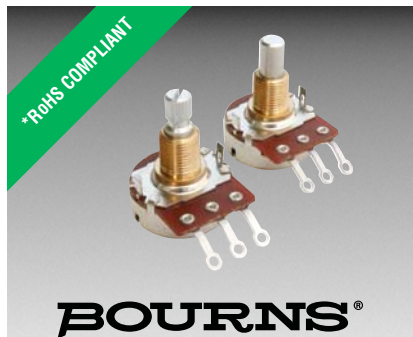




Features

- 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



PDA24 - 24 mm Long Life Potentiometer

Electrical Characteristics

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

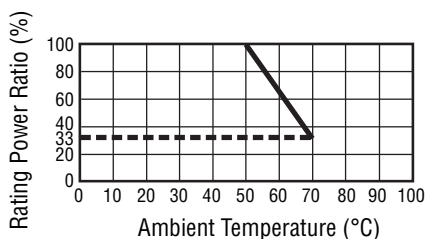
Environmental Characteristics

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.

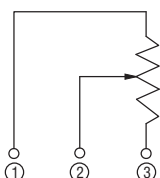
Mechanical Characteristics

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

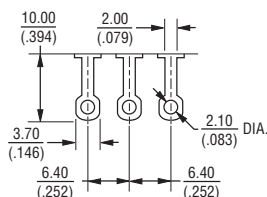
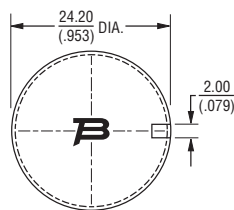
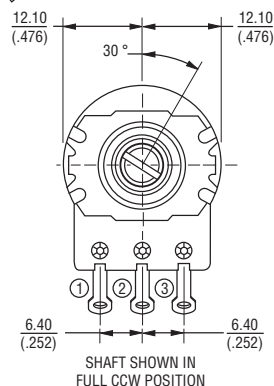
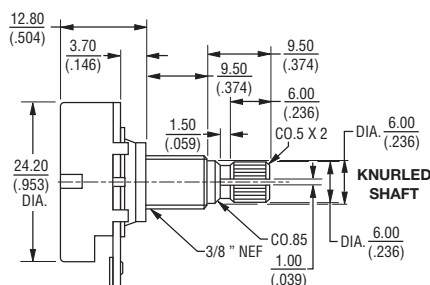


Circuit



Product Dimensions

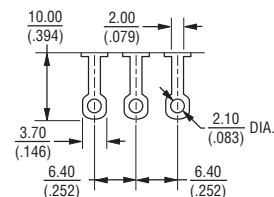
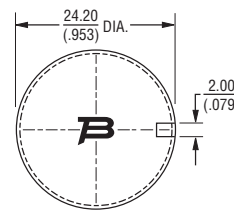
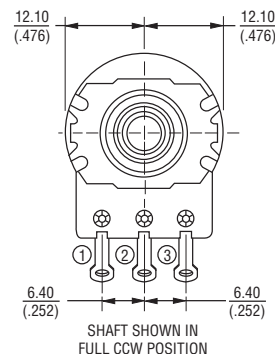
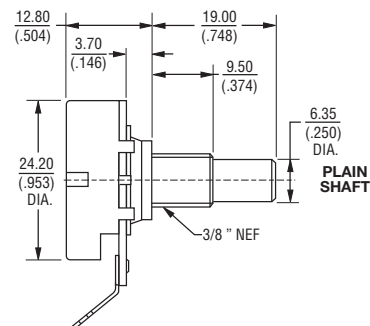
PDA241-xxx00, PDA241-xxx01



TOLERANCES:
UNDER $\frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm .012)}$ $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm .020)}$

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

PDA241-xxx02



TOLERANCES:
UNDER $\frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm .012)}$ $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm .020)}$

*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.

Additional Features

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

Applications

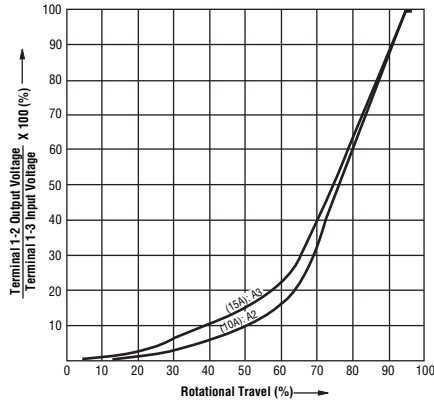
- Electric guitars
- Bass guitars
- Guitar amplifiers

PDA24 - 24 mm Long Life Potentiometer

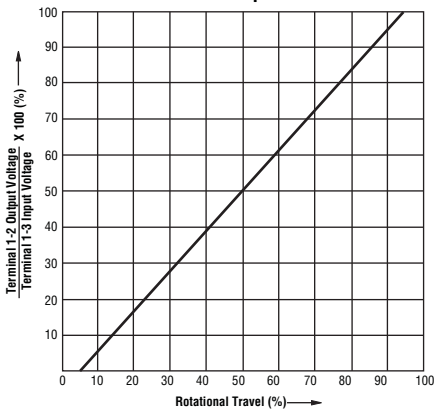
BOURNS®

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®

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com

REV. 04/14

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.