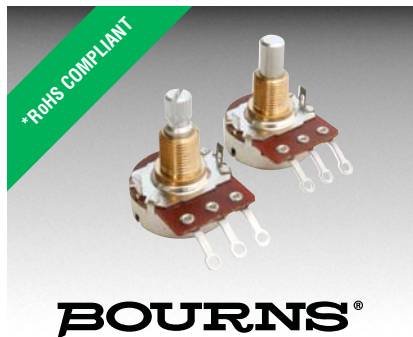




Features

- 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... $\pm 15\%$

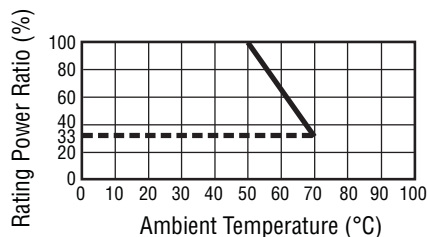
Environmental Characteristics

Operating Temperature
..... -10°C to $+70^{\circ}\text{C}$
Power Rating
Linear Taper0.5 watt
Audio Taper0.25 watt
Maximum Operating Voltage
Linear Taper500 V
Audio Taper250 V
Rotational Noise100 mV max.

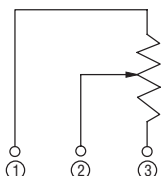
Mechanical Characteristics

Mechanical Angle $300^{\circ} \pm 5^{\circ}$
Rotational Torque
Standard20 to 40 g-cm
High70 to 100 g-cm
Stop Strength7 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

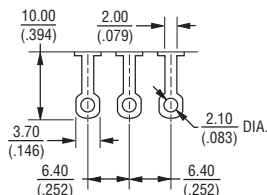
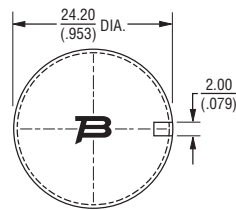
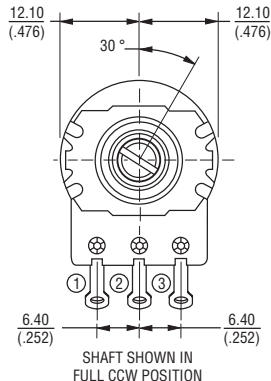
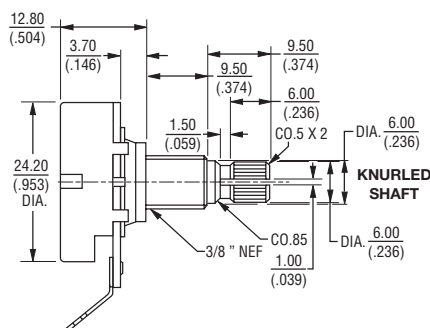


Circuit



Product Dimensions

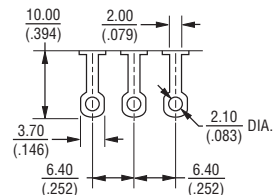
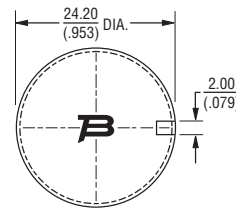
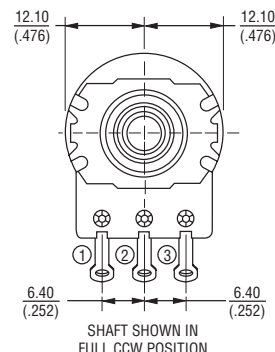
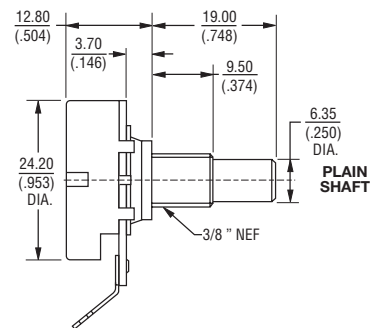
PDA241-xx00,
PDA241-xx01



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-xx02



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

Additional Features

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

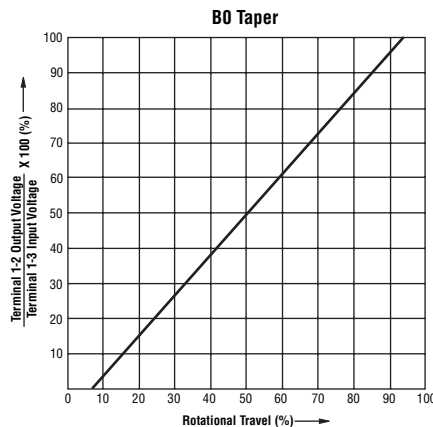
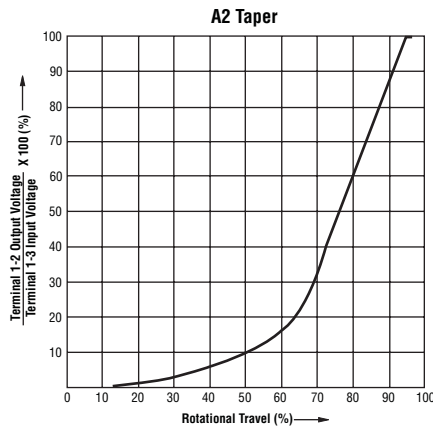
Applications

- Electric guitars
- Bass guitars
- Guitar amplifiers

PDA24 - 24 mm Long Life Potentiometer

BOURNS®

Tapers



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

Europe: Tel: +41-41 768 5555 • Fax: +41-41 768 5510

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

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REV. 08/10

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