

BOURNS®

Features

- Carbon element
- Switch option
- Wide assortment of resistance tapers

Applications

- Audio/TV sets
- Car radio
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

PDA17 Series - 17mm Rotary Potentiometer

Electrical Characteristics

TaperA, B
 Standard Resistance Range1K ohms to 1M ohms
 Standard Nominal Resistance ValueSee standard resistance table
 Standard Resistance Tolerance±20%
 Residual ResistanceMax. 1% overall resistance

Environmental Characteristics

Power Rating
 Taper B0.1 watt
 Taper A0.05 watt
 Maximum Operating Voltage
 Taper B200 V
 Taper A150 V
 Sliding Noise47mV maximum

Physical Characteristics

Mechanical Angle260° ±10°
 Rotational Torque50 to 350 gcm
 Stop- End Strength5 kgcm minimum
 Switch Torque150 to 450 gcm
 Switch Action Angle60° max.
 Rotational Life15,000 cycles minimum
 Soldering Condition260°C max. within 3 seconds

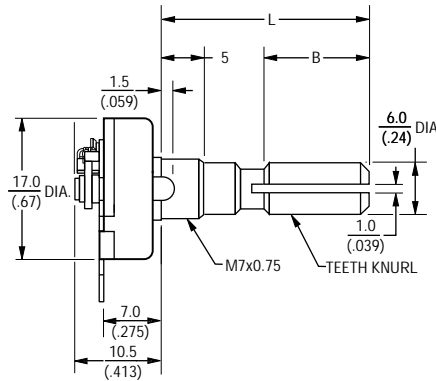
PDA17 Series Dimensions

K-Shaft (18 Toothed Serration Type)

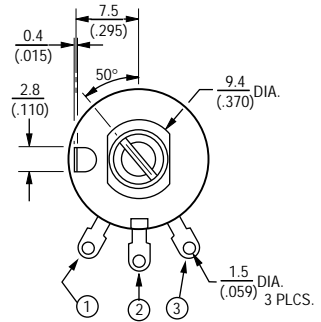
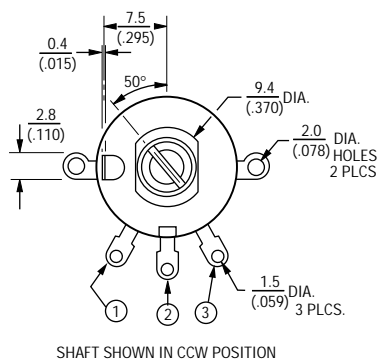
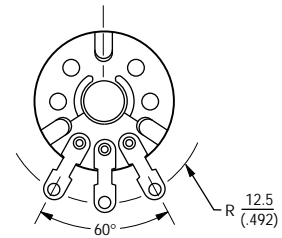
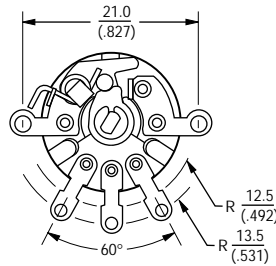
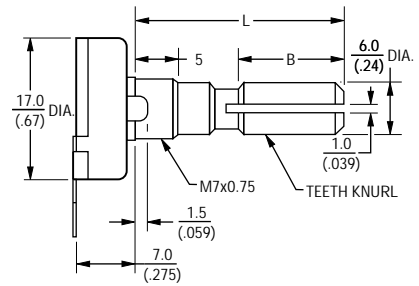
L	20	25
	(.787)	(.984)
B	9	12
	(.354)	(.472)

Product Dimensions

PDA17-SS

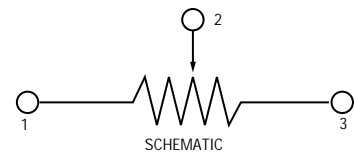


PDA17-SN



SHAFT SHOWN IN CCW POSITION

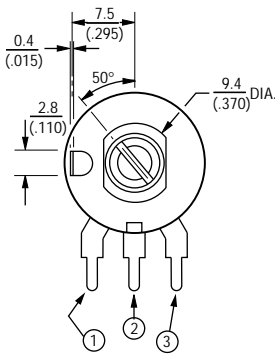
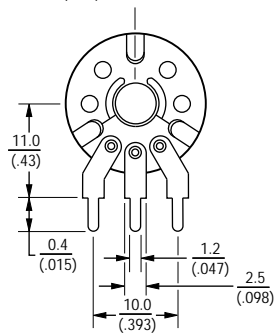
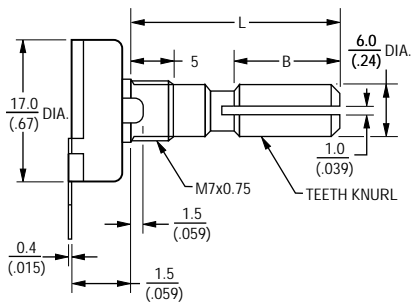
DIMENSIONS ARE: METRIC (INCHES)



PDA17 Series - 17mm Rotary Potentiometer

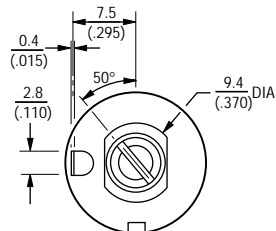
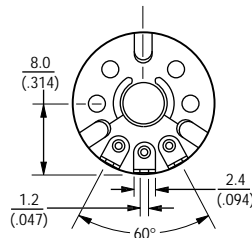
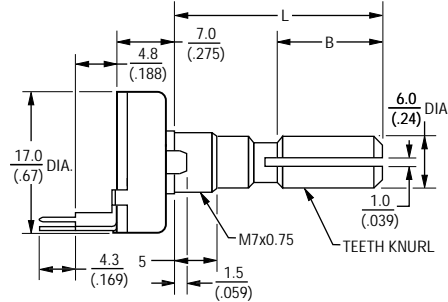
Product Dimensions

PDA17-AN

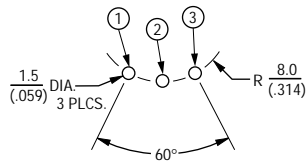


SHAFT SHOWN IN CCW POSITION

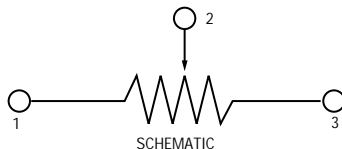
PDA17-VN



RECOMMENDED PCB LAYOUT



SHAFT SHOWN IN CCW POSITION



How To Order

PDA17 - V N 20 - 102 A K

- Model _____
- Terminal Configuration _____
- S = Solder Lugs
 - A = PC Pins vertical/Down Facing
 - V = PC Pins horizontal/Rear Facing
- Switch Option _____
- S = Switch
 - N = No Switch
- Standard Shaft Length _____
- 20 = 20mm
 - 25 = 25mm
- Resistance Code (See Table) _____
- Resistance Taper _____
- A = Audio Taper
 - B = Linear Taper
- Shaft Style _____
- K = Metal Knurled Shaft
18 Toothed Serration Type
- Other configurations or styles available.

Standard Resistance Table

Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105