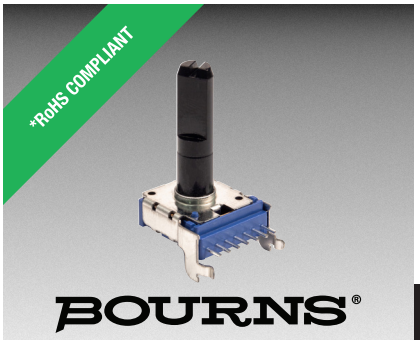


Features

- Flatted plastic shaft option
- Horizontal & vertical mount option
- Dual-potentiometer
- Center tap option
- Audio & linear tapers
- PC pin layout for board mount
- RoHS compliant*

PRS14R – 14 mm Rotary Plastic Shaft Dual-Potentiometer

Electrical Characteristics

Taper..... Audio, Linear
Standard Resistance ... 5k ohms to 500k ohms
Standard Resistance Tolerance..... ±20 %
Residual Resistance.....30 ohms or < 0.1 %
Insulation Resistance
.....100 megohms minimum @ 250 VDC
Dielectric Withstanding Voltage
Sea Level.....300 VAC min.
Tap Residual Resistance..... < 1 %
Power Rating.....0.05 W
Maximum Operating Voltage ..... 50 VAC
Sliding Noise..... 100 mV max.

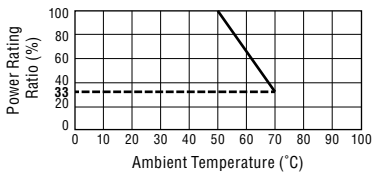
Environmental Characteristics

Operating Temperature.....-10 °C to +70 °C
Storage Temperature.....-30 °C to +70 °C
Soldering Condition
Wave Soldering ..... 260 °C for 5 s
Manual Soldering..... 350 °C for 3 s

Mechanical Characteristics

Mechanical Angle .....300 ° ± 5 ° max.
Torque
Starting & Running ..... 30-200 gf-cm
Detent ..... 30-300 gf-cm
Mounting.....10 kgf-cm max.
Stop Strength.....5 kgf-cm min.
Rotational Life.....15,000 cycles min.
Hardware.....One flat washer and one hex nut supplied with threaded bushing versions

Derating Curve



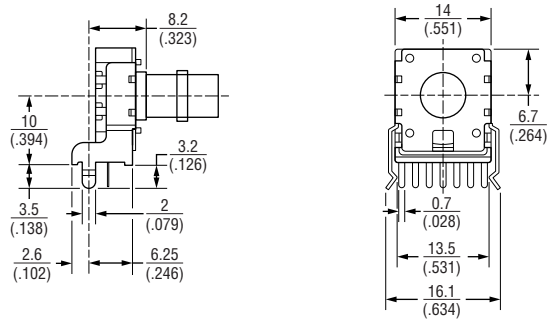
Additional Information

Click these links for more information:

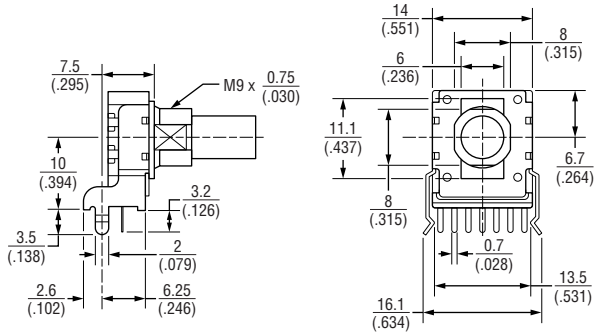
PRODUCT TECHNICAL LIBRARY INVENTORY SAMPLES CONTACT

Product Dimensions

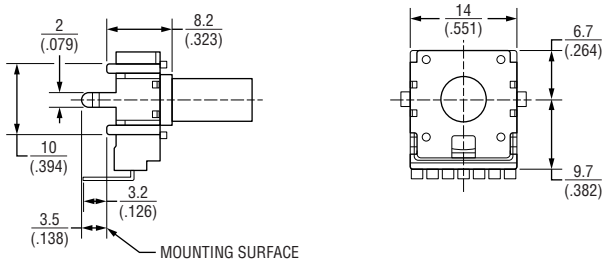
PRS14R-1XXX-NXXXX



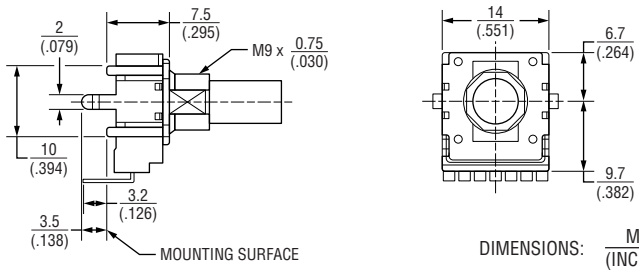
PRS14R-2XXX-NXXXX



PRS14R-3XXX-NXXXX



PRS14R-4XXX-NXXXX



DIMENSIONS: MM (INCHES)

CALIFORNIA WARNING:
Can expose you to lead, a carcinogen and reproductive toxicant.
See www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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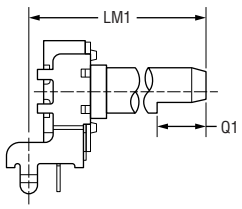
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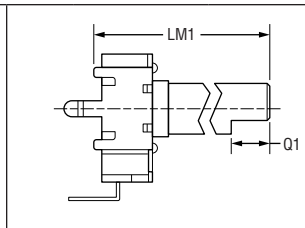
PRS14R – 14 mm Rotary Plastic Shaft Dual-Potentiometer

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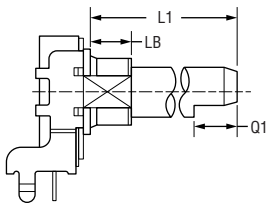
Shaft & Bushing Dimensions

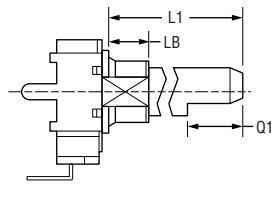
Without Bushing





With Bushing



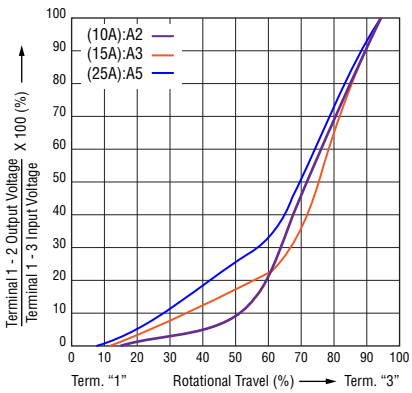


LM1	15 (.591)	20 (.787)	25 (.984)	30 (1.181)	**L1**	12.5 (.492)	15 (.591)	17.5 (.689)	20 (.787)	22.5 (.886)	25 (.984)	30 (1.181)
Q1	4.5 (.177)	7 (.276)	12 (.472)	12 (.472)	**Q1**	7 (.276)	7 (.276)	12 (.472)	12 (.472)	12 (.472)	12 (.472)	12 (.472)
–	–	–	–	–	**LB**	5 (.197)	5 (.197)	5 (.197)	5 (.197)	5 (.197)	5 (.197)	5 (.197)

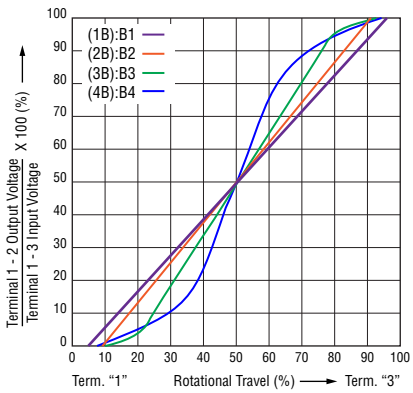
DIMENSIONS: MM (INCHES)

Tapers

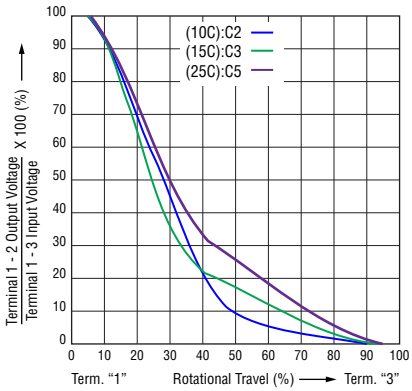
A Series



B Series



C Series



Resistance Table

Resistance (Ohms)	Resistance Code
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
250,000	254
500,000	504

How To Order

PRS14R - 40015 - 103 B1

Model

Orientation
- 1 = PC Pins vertical / side facing
- 2 = PC Pins vertical / side facing bushing
- 3 = PC Pins horizontal / rear facing
- 4 = PC Pins horizontal / rear facing bushing

Detent Configuration
- 0 = No Detent
- 1 = Center Detent

Center Tap
- 0 = No Tap
- 1 = Center Tap

Shaft Length
- 12 = 12 mm (bushing version only)
- 15 = 15 mm
- 17 = 17.5 mm (bushing version only)
- 20 = 20 mm
- 22 = 22.5 mm (bushing version only)
- 25 = 25 mm
- 30 = 30 mm

Resistance Code (see table)

Resistance Taper (see Taper charts)

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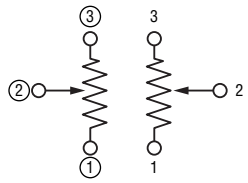
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PRS14R – 14 mm Rotary Plastic Shaft Dual-Potentiometer

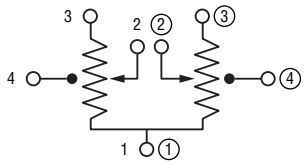
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Circuits

PRS14R-xx0xx-xxxxx

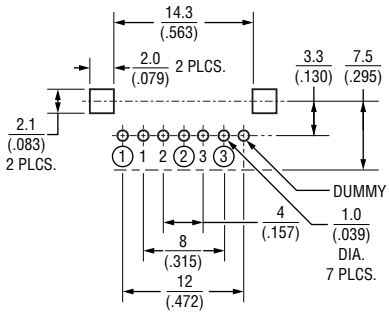


PRS14R-xx1xx-xxxxx

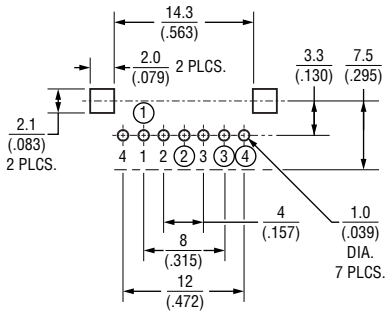


Recommended Layout

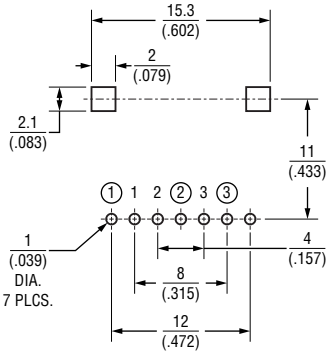
PRS14R-1x0xx-xxxxx
PRS14R-2x0xx-xxxxx



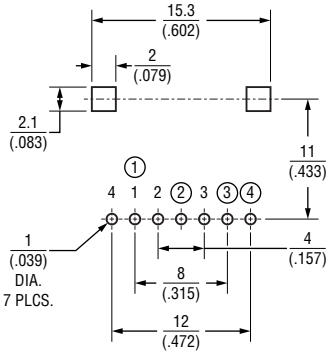
PRS14R-1x1xx-xxxxx
PRS14R-2x1xx-xxxxx



PRS14R-3x0xx-xxxxx
PRS14R-4x0xx-xxxxx

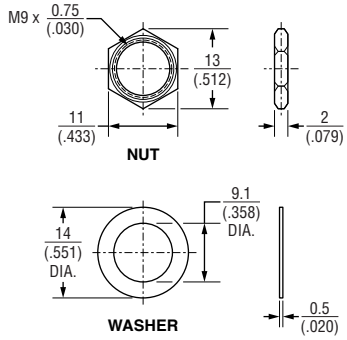


PRS14R-3x1xx-xxxxx
PRS14R-4x1xx-xxxxx



DIMENSIONS: MM / (INCHES)

Hardware



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