

#### **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

### **Additional Information**

Click these links for more information:











**INVENTORY** 

#### **Electrical Characteristics**

raper Audio, Linear
Standard Resistance 5k ohms to 500k ohms
Standard Resistance Tolerance ±20 %
Residual Resistance 0.6 % max.
Insulation Resistance
100 magahma minimum @ 2EOV DC

.......... 100 megohms minimum @ 250V DC Dielectric Withstanding Voltage

Sea Level......300 V AC min. Tap Residual Resistance......100 ohms Power Rating ...... 0.05 W Maximum Operating Voltage ...... 50 V AC Sliding Noise...... 100 mV max.

#### **Environmental Characteristics**

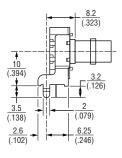
Operating Temperature10 °C to +70 °C
Storage Temperature30 °C to +70 °C
Soldering Condition
Wave Soldering 260 °C for 5 s
Manual Soldering 350 °C for 3 s
IP RatingIP 40

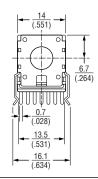
#### **Mechanical Characteristics**

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.
HardwareOne flat washe	er and one hex nut
supplied with threaded	l bushing versions

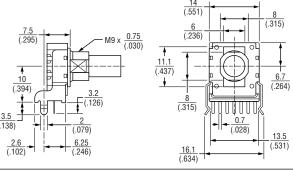
#### **Product Dimensions**

#### PRS14R-1xxxx-xxxxx

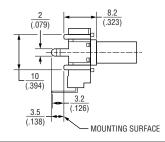


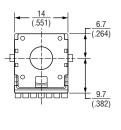


#### PRS14R-2xxxx-xxxxx

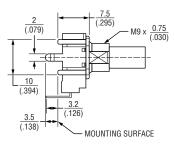


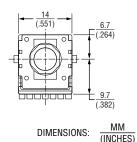
## PRS14R-3xxxx-xxxxx

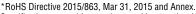




#### PRS14R-4xxxx-xxxxx







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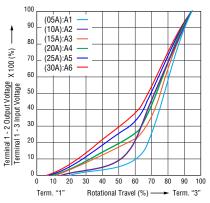
# PRS14R - 12 mm Rotary Plastic Shaft Dual-Potentiometer

#### **Shaft & Bushing Dimensions**

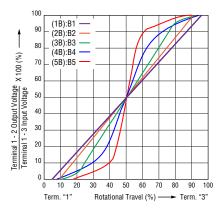
Without Bushing			With Bushing									
Н	Horizontal Vertical		Horizontal			Vertical						
			L1 L1 LB			L1 — LB — D1						
LM1	<u>15</u> (.591)	<u>20</u> (.787)	<u>25</u> (.984)	30 (1.181)	L1	<u>12.5</u> (.492)	<u>15</u> (.591)	<u>17.5</u> (.689)	<u>20</u> (.787)	<u>22.5</u> (.886)	25 (.984)	30 (1.181)
Q1	4.5 (.177)	7 (.276)	<u>12</u> (.472)	12 (.472)	Q1	7 (.276)	7 (.276)	12 (.472)	<u>12</u> (.472)	<u>12</u> (.472)	12 (.472)	<u>12</u> (.472)
_	_	_	_	_	LB	<u>5</u> (.197)	<u>5</u> (.197)	<u>5</u> (.197)	<u>5</u> (.197)	<u>5</u> (.197)	<u>5</u> (.197)	<u>5</u> (.197)

#### **Tapers**

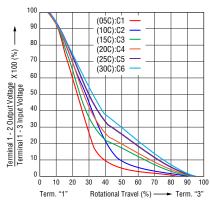
## **A Series**



#### **B** Series



## C Series

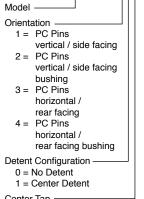


#### **Resistance Table**

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



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)

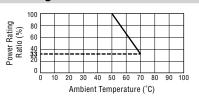
Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications

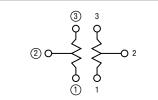
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# PRS14R - 12 mm Rotary Plastic Shaft Dual-Potentiometer **POURNS**

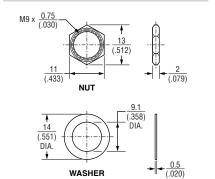
#### **Derating Curve**



## Circuit



## Hardware



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