

Features

- Various metal shaft options
- Horizontal & vertical mount option
- **Dual-potentiometer**
- Audio & linear tapers
- PC pin layout for board mount
- RoHS compliant*

PRS12R - 12 mm Rotary Metal Shaft Dual-Potentiometer

Additional Information

Click these links for more information:













CONTACT

TECHNICAL INVENTORY

SAMPLES

Electrical Characteristics

Taper Audio, Linear
Standard Resistance 5k ohms to 500k ohms
Standard Resistance Tolerance
R < 250k ohms±20 %
R ≥ 250k ohms±30 %
Residual Resistance 0.6 % max
Insulation Resistance
100 megohms minimum @ 250V DC
Dielectric Withstanding Voltage
Sea Level 300 V AC min.
Power Rating 0.05 W
Maximum Operating Voltage
50 V AC / 10 V DC
Sliding Noise100 mV max

Environmental Characteristics

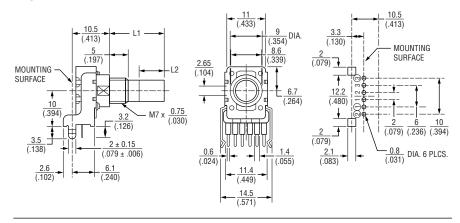
Operating Temperature.....-10 °C to +70 °C Storage Temperature.....-40 °C to +70 °C Soldering Condition Wave Soldering 260 °C for 5 s Manual Soldering...... 350 °C for 3 s IP Rating..... IP 40

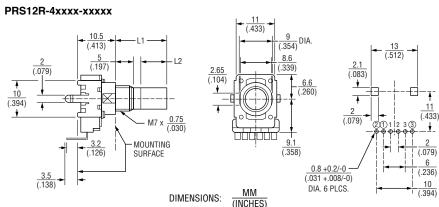
Mechanical Characteristics

Mechanical Angle300 $^{\circ}$ ± 5 $^{\circ}$ max. Torque Starting & Running 10-150 gf-cm Detent 20-200 gf-cm Mounting......12 kgf-cm max. Stop Strength......3.5 kgf-cm min. Rotational Life......10,000 cycles min. Hardware......One flat washer and one hex nut supplied with threaded bushing versions

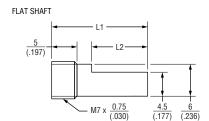
Product Dimensions

PRS12R-2xxxx-xxxxx

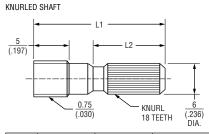




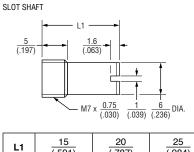
Shaft & Bushing Dimensions



L1	<u>15</u>	<u>20</u>	<u>25</u>
	(.591)	(.787)	(.984)
L2	7 (.276)	12 (.472)	12 (.472)



				D 17 t.
L	1	15 (.591)	<u>20</u> (.787)	25 (.984)
L	2	7 (.276)	11 (.433)	14 (.551)



L1	15	20	25
	(.591)	(.787)	(.984)
DIMENSIONS: MM			

(INCHES)



*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

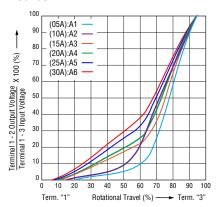
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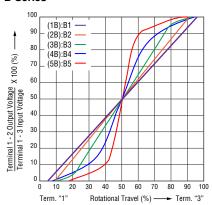
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Tapers

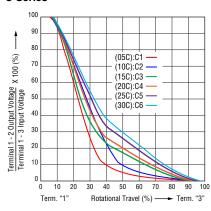
A Series



B Series



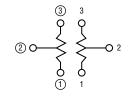
C Series



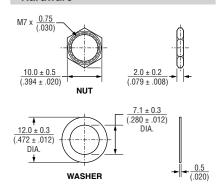
Resistance Table

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

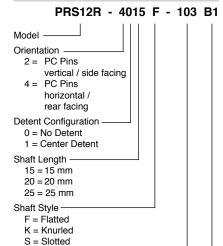
Circuit



Hardware



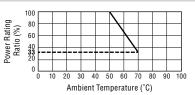
How To Order



Resistance Code (see table)

Resistance Taper (see Taper charts)

Derating Curve



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