

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:











PRODUCT

TECHNICAL INVENTORY

SAMPLES CONTACT

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 Rating0.05 W
Maximum Operating Voltage
50 V AC / 10 V DC
Sliding Noise 100 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

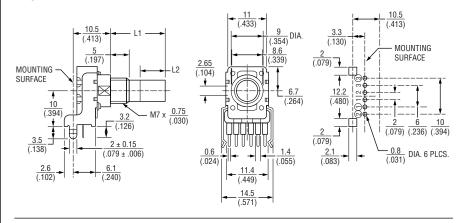
Mechanical Characteristics

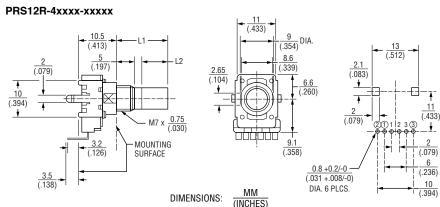
Mechanical Angle300 ° ± 5 ° max. Torque Starting & Running 10-150 gf-cm Detent 20-200 gf-cm Mounting......12 kgf-cm max. Stop Strength......3.5 kgf-cm min. Rotational Life......10,000 cycles min. Hardware......One flat washer and one hex

nut supplied with threaded bushing versions

Product Dimensions

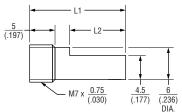
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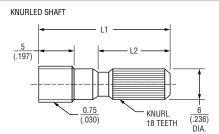


Shaft & Bushing Dimensions

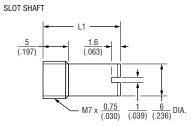




L1	15	<u>20</u>	25
	(.591)	(.787)	(.984)
L2	7 (.276)	12 (.472)	12 (.472)



L1	<u>15</u> (.591)	<u>20</u> (.787)	<u>25</u> (.984)
L2	7 (.276)	11 (.433)	14 (.551)



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L1	15 (.591)	20 (.787)	25 (.984)

MM DIMENSIONS: (INCHES)



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

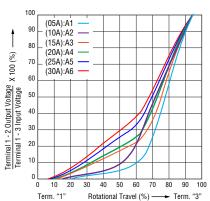
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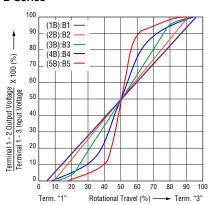
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Tapers

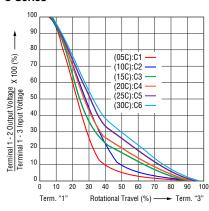
A Series



B Series



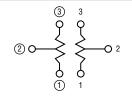
C Series



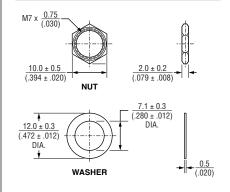
Resistance Table

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

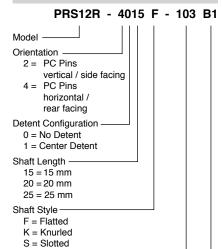
Circuit



Hardware



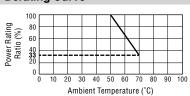
How To Order



Derating Curve

Resistance Code (see table)

Resistance Taper (see Taper charts)



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