

FEATURES

- Robust construction
- Long shaft style
- Low terminal resistance (0.2 Ω)
- Linear Taper
- Good linearity (1% typical)

RS PRO 4 Gang Rotary Wirewound Potentiometer with an 6.35 mm Dia. Shaft - 1k Ω , $\pm 10\%$, 1.5W Power Rating, Linear, Panel

RS Stock No.: 812-819



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Brought to you by RS PRO, a series of rotary potentiometers suitable for various applications. Widely used within electronics, each model can be mounted within various devices or even on PCB applications. These particular models have a linear taper and will excel within audio or electronic uses. All models are highly reliable and excellent quality.

General Specifications

Potentiometer Type	Rotary
Maximum Resistance	1k Ω
Tolerance	$\pm 10\%$
Linearity	1%
Number of Gangs	4
Number of Turns	1
Electrical Taper	Linear
Element Material	Wire wound
Actuator Type	Linear Shaft
Applications	<p>Audio control: Both linear, and rotary potentiometers, are used to control audio equipment for changing the loudness and other audio related signals.</p> <p>Television: They are used to control the picture brightness, colour response and contrast.</p> <p>Motion control: In order to create a closed-loop control, potentiometers are used as position feedback devices known as a servomechanism.</p> <p>Transducers: As these give large output signals, they find applications in designing of displacement transducers</p>

Electrical Specifications

Power Rating	1.5W
Termination Style	Solder Lug
Insulation Resistance	1000Mohm minimum at 500VDC
Angle Of Effective Rotation	275° + 5°C
Total Mechanical Rotation	290° + 10°C
Limiting element voltage d.c or a.c . R.MS	500V

Mechanical Specifications

Shaft Diameter	6.35mm
Mounting Type	Panel Mount
Mechanical Rotation	290°
Starting Torque	7mNm to 35mNm
End Stop Torque	1100Nm
Rotational Life	20,000 cycles

Operation Environment Specifications

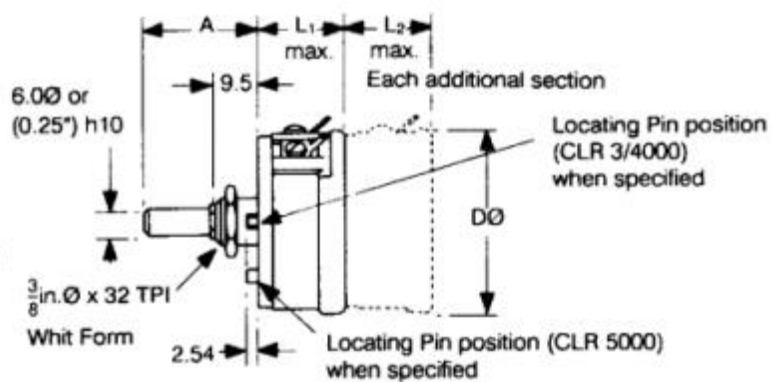
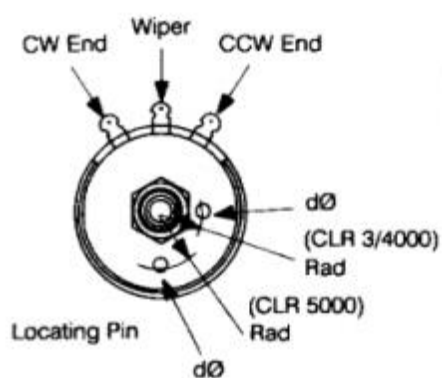
Vibrations	10g, 10Hz to 500Hz;
Bump	4000 bumps; 390m/s ² ,40g; Rac < 1%
Load Life	1000h at rated dissipation; Rac < 1%

Approvals

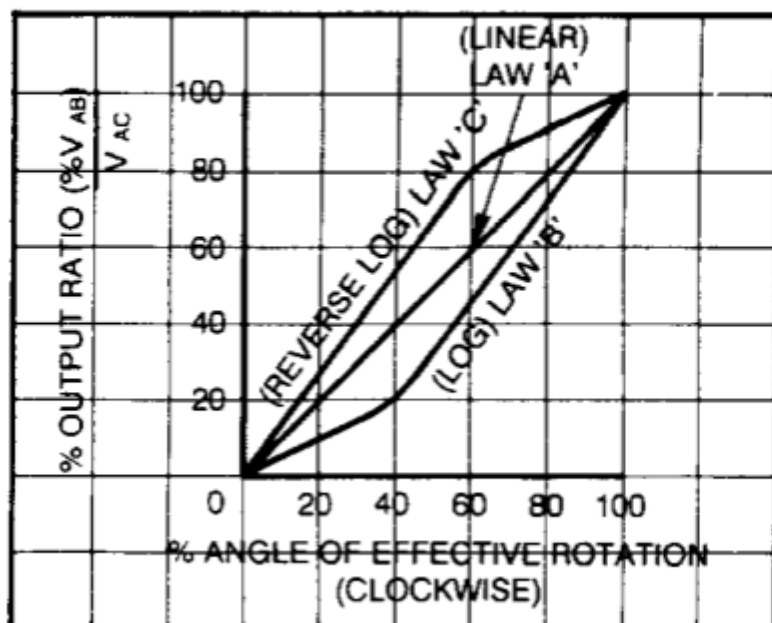
Compliance/Certifications	2011/65/EU and 2015/863
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Dimensions: (mm)



Standard Resistance Laws



Alignment (Ganged Units)

Sections are aligned to within + 1% at reference point of zero effective rotation

