

FEATURES

- Robust construction
- Standard resistance tolerance of $\pm 10\%$
- Electrical life of 1,000,000 strokes
- 6.35 mm diameter shaft
- 10 turn build

RS PRO 1 Gang 10 Turn Rotary Wirewound Potentiometer with an 6.35 mm Dia. Shaft - 1k Ω , $\pm 10\%$, 2W Power Rating, Linear,

RS Stock No.: 842-7131



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 generally have a rotational life of 100,000 revolutions 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	$\pm 0.5\%$
Number of Gangs	1
Number of Turns	10
Electrical Taper	Linear
Element Material	Wire wound
Actuator Type	Round 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	2W
Termination Style	Solder
Dielectric Strength	750VAC
Insulation Resistance	1000Mohm
Maximum Resistance	1kΩ

Mechanical Specifications

Dimension	23.2mm (dia.) x 39.75mm
Product Diameter	23.2mm
Product Length	39.75mm
Shaft Length	20.5mm
Shaft Diameter	6.35mm
Mounting Type	Panel Mount
Mounting Hole Diameter	10.32mm
Mechanical Rotation	360°
Rotational Life	100,000 cycles

Operation Environment Specifications

Operating Temperature	-50°C to 125°C
Temperature Coefficient	±150 ppm/°C

Approvals

Compliance/Certifications	2011/65/EU and 2015/863
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