

FEATURES

- Robust construction
- 25 mm shaft
- 1 W power rating
- Single turn
- 285° rotation (mechanical angle)

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

RS Stock No.: 842-7002



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	10k Ω
Tolerance	$\pm 10\%$
Linearity	$\pm 1\%$
Number of Gangs	1
Number of Turns	1
Electrical Taper	Linear
Element Material	Wire wound
Actuator Type	Slotted 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	1W
Termination Style	Solder
Dielectric Strength	500VAC
Insulation Resistance	1000Mohm
Maximum Resistance	10k Ω

Mechanical Specifications

Dimension	25.4mm (dia.) x 40.5mm
Product Diameter	25.4mm
Product Length	40.5mm
Shaft Length	25mm
Shaft Diameter	6.35mm
Mounting Type	Panel Mount
Mounting Hole Diameter	15mm
Mechanical Rotation	285°
Rotational Life	100,000 cycles

Operation Environment Specifications

Operating Temperature	-40°C to 105°C
Temperature Coefficient	\pm 150 ppm/°C

Approvals

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