Potentiometers

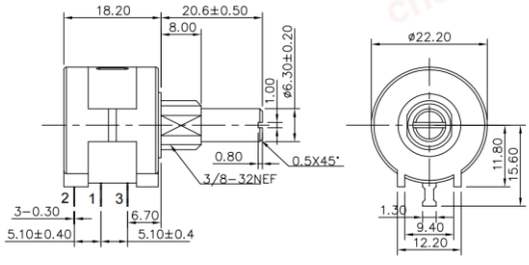
Features

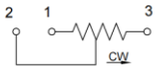
- Bushing and servo mount designs available
- Linearity ±0.5%,
- Special resistance tolerances to ±5%
- Number of Gangs:1
- Number of Turns:10
- Power Rating:2W
- Shaft Length:20.6mm
- Shaft Diameter:6.3mm
- Max Resistance:10KΩ
- Mounting Type:Panel Mount
- Element Material:Wire wound
- Taper:B (straight line) property

RS PRO 3590 10 TURNS POTENTIOMETERS,10KΩ,2W

RS Stock No.: 2780303







CIRCUIT

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that

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Potentiometers

every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

- They are suitable for industrial control applications, medical instruments, wire cutting machines and welding machines.
- This range of high-quality rotary potentiometers bring you the best build quality with a stainless-steel shaft and solder lug terminals.
- With durability in mind, this series is rated for over 500,000 lifecycles

General Specifications

Potentiometer Type	Rotary
Maximum Resistance	10K ohm
Tolerance	±5%
Linearity	±0.5%
Number of Gangs	1
Number of Turns	10
Electrical Taper	Linear
Element Material	Wirewound
Actuator Type	Slotted Shaft
Connections	all-metal round plug, freely rotatable,
Housing Material	Glass filled polyester

Electrical Specifications

Maximum Operating Voltage	20V DC; 50V AC
Power Rating	2.0W
Sliding Noise	100mV maximum
Termination Style	solder plated
Electrical Travel / Rotation	3600° ±10°
Dielectric Strength	500V AC

Potentiometers

Insulation Resistance	1000M ohm minimum at 500V DC

Mechanical Specifications

Dimension 22.2mm (dia.) x 38.8mm

Product Diameter	22.2mm
Shaft Length	20.6mm
Shaft Diameter	6.3mm
Mounting Type	Bushing Mount
Mounting Hole Diameter	10.0mm
Mechanical Rotation	360°
Starting Torque	⩽20mN.m
Rotational Life	500,000 cycles
Weight	25g

Operation Environment Specifications

Operating Temperature -55°C to 125°C

Temperature Coefficient	±100 ppm/°C
Vibrations	10Hz to 500Hz,amplitude 0.75 mm, no visible damage in 6 hours, △R ⩽±(1%R+0.1Ω) , and no electrical discontinuity larger than 100us

Approvals

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Potentiometers

Compliance/Certifications	RoHS
Declarations	Reach

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