Potentiometer

Features

- High durability Wire wound Potentiometer
- Rugged construction
- Stainless Steel Shaft
- High grade engineering moulded plastic capri blue housing
- Reliable and steady output

RS PRO Potentiometer

RS Stock No.: 0708713



Potentiometer

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Wire Wound multi turn Potentiometer suitable for industrial control applications, medical instruments and so on. Continuous improvements are being made for enhancing performance for customer benefit in precision potentiometer design & process.

General Specifications

Specification	Data
Product Category	Precision Potentiometers
Series	Multiturn Potentiometer
Technology	Wire Wound
Body Diameter	22 mm
Shaft Length	20.5 mm
Shaft Diameter	6 mm / 6.35 mm
Number of Turns	10 Turn

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Specification	Data
Standard Resistance Range	1kΩ – 10kΩ
Electrical Angle	3600□ +10□ -0□
Mechanical Angle	3600□ +10□ -0□
Standard resistance tolerance	± 10%
Independent Linearity	± 0.25%
Power Dissipation	2W
IP Rating	IP65
Rotational Life	1,000,000

Mechanical Specifications

ROTATION (MECHANICAL ANGLE) WITH END STOP	DEGREES	3600° +10° - 0°
BEARING TYPE...	--	SLEEVE
STOPPER STRENGTH	N.cmOz inch	45(31.7797)
TORQUE... STARTING...	N.cmOz inch	0.5(0.708)
NUT TIGHTENING TORQUE...	N.m	0.8 MAX

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SPANNER SIZE OF NUT...	--	14
AXIAL PLAY...	mm	0.2
RADIAL PLAY...	mm	0.15

Electrical Specifications

ELECTRICAL CHARACTERISTICS :-	UNITS	VALUE
RESISTANCE ELEMENT...	--	WIRE WOUND
TOTAL RESISTANCE...	Ohms	1K,2K,5K,10K
RESISTANCE TOLERANCE...	%	±10
INDEPENDENT LINEARITY TOLERANCE...(IEC 60393)..	%	±0.25
EFFECTIVE ELECTRICAL ANGLE...	DEGREES	3600° +10° -0°
RESOLUTION...	--	AS PER TURNS

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POWER RATING @ 70°C...	WATTS	2
EQUIVALENT NOISE RESISTANCES...	Ohms	100
INSULATION RESISTANCE @ 500 VDC...	M Ohms	1000
DIELECTRIC STRENGTH @ 50 HZ...	V ac	750 MINIMUM
MAXIMUM WIPER CURRENT...	mAmps	1
SHORT TIME WIPER CURRENT 10 SEC. ...	mAmps	10
END RESISTANCE...	%	0.1% OR 5 OHMS WHICH IS HIGHER