

Features

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

Potentiometer

RS Stock No.: 0708715



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	5 Turns
Standard Resistance Range	1k Ω – 10k Ω
Electrical Angle	1800 \pm 10 \pm 0 \pm

Specification	Data
Mechanical Angle	1800° +10° -0°
Standard resistance tolerance	± 10%
Independent Linearity	± 0.5%
Power Dissipation	2W
IP Rating	IP65
Rotational Life	1,000,000

Mechanical Specifications

MECHANICAL CHARACTERISTICS :-		
ROTATION (MECHANICAL ANGLE) WITH END STOP	DEGREES	1800° -0°
BEARING TYPE...	--	SLEEVE
STOPPER STRENGTH	N.cm Oz inch	45 (63.725)
TORQUE... STARTING...	N.cm Oz inch	0.5 (0.708)
NUT TIGHTENING TORQUE...	N.m	0.8 MAX
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	500,1K,2K,5K,10K
RESISTANCE TOLERANCE...	%	±10
INDEPENDENT LINEARITY TOLERANCE...(IEC 60393)..	%	±0.25
EFFECTIVE ELECTRICAL ANGLE...	DEGREE S	1800° +10° -0°
RESOLUTION...	--	AS PER TURNS
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

Environmental Specifications

ENVIRONMENTAL CHARACTERISTICS :-		
OPERATING TEMPERATURE...	DEGREES C	-40 to +125°C
ROHS COMPLIANCE...	--	Yes
VIBRATION...	G	15
SHOCK	G	50

PERFORMANCE :--		
ELECTRICAL LIFE...	ROTATIONS	1000000
MATERIALS OF CONSTRUCTION:--		
HOUSING...	--	PLASTIC CAPRI BLUE
SHAFT...	--	STAINLESS STEEL
TERMINALS...	--	BRASS GOLD PLATED
MOUNTING HARDWARE	--	LOCK WASHER-STEEL + NUT- BRASS A/F 14 X 3 MM BOTH NICKEL PLATED