

SP40B

2 watts - 1.44 inch diameter



*Series SP40B potentiometers feature
Conductive Plastic elements and gold plated terminals*

Features

- Conductive Plastic resistive element
- Anodized Aluminum housing
- Stainless steel shaft
- Gold plated terminals

Electrical Specifications

Resistance Range
1K to 100K ohms standard

Resistance Tolerance
 $\pm 10\%$

Independent Linearity
 $\pm 1\%$

Resolution
Essentially Infinite

Electrical Rotation
 $320^\circ \pm 5^\circ$

Power Rating
2 watts

Insulation Resistance
1000 Megohms @ 500VDC

Dielectric Strength
1000 VAC

Contact Resistance Variation
Less than 2% C.R.V

Output Smoothness
Less than 0.1%

Mechanical Specifications

Mechanical Rotation
 $320^\circ +10^\circ -0^\circ$

Torque
0.5 oz. in. Max

Weight
1 oz.

Rotational Life
50,000,000 Turns rated

Environmental Specifications

Operating Temperature
 -55°C to $+125^\circ\text{C}$

Temperature Coefficient
 ± 400 PPM/ $^\circ\text{C}$

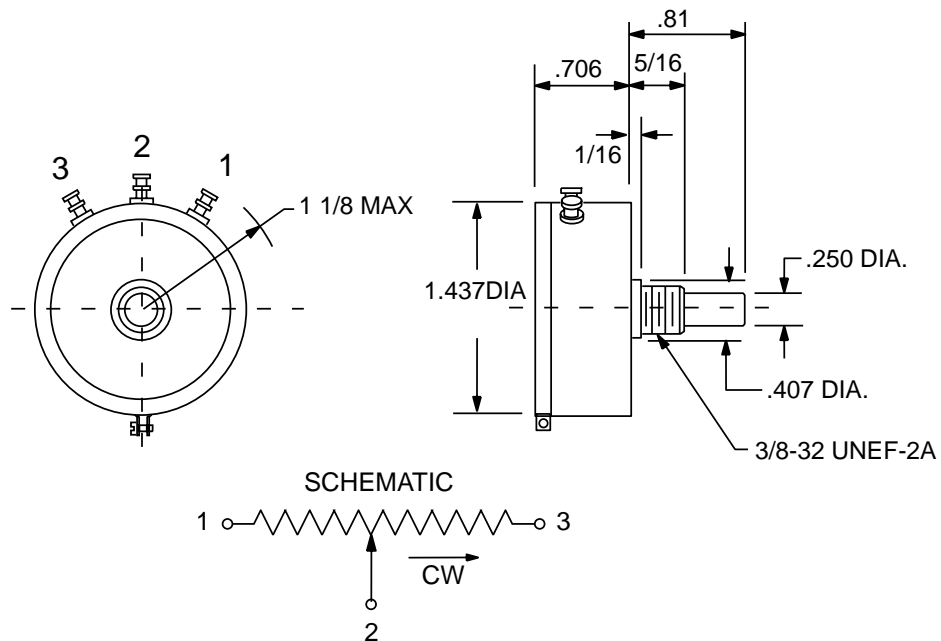
Vibration
10HZ to 2000HZ 15G

Shock
50G

Moisture Resistance
 40°C 95%RH 120 Hours

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Ordering Information

Example Part Number: **SP40B-10K-CT**

SP40B	10K	CT
Model	Resistance	Options
SP40B	1K = 1K ohms 2K = 2K ohms 5K = 5K ohms 10K = 10K ohms 20K = 20K ohms 50K = 50K ohms 100K = 100K ohms	CT = Center Tap SB = Sealed Body FL = Flatted Shaft NS = No Stops SL = Side Load Treatment S = Servo Mount with ball bearings

On-line Quotations are available at <http://www.potentiometers.com>



36 Route 10 East Hanover, NJ 07936
(800) 631-8083 Local: (973) 887-2550
e-Mail: sales@state-elec.com
<http://www.state-elec.com> <http://www.potentiometers.com>