

# SP30B

1.5 watt - 1 1/16 inch diameter



*Series SP30B 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  
1.5 watt
- 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

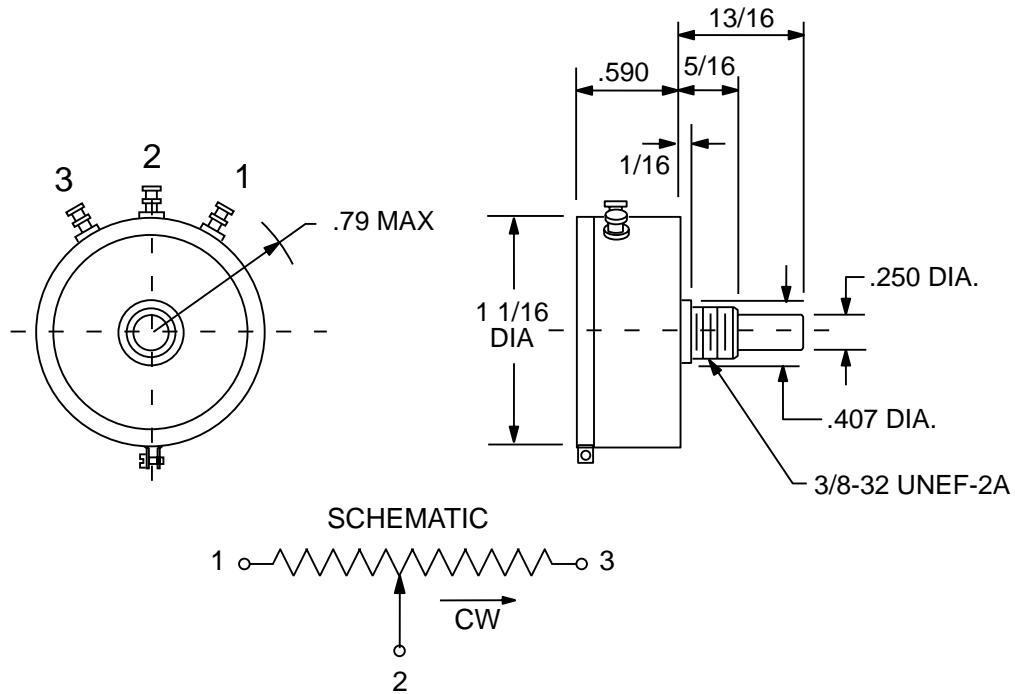
- Mechanical Rotation  
 $320^\circ +10^\circ -0^\circ$
- Torque  
.83 oz. in. Max
- Weight  
1 oz.
- Rotational Life  
20,000,000 Turns rated

## Environmental Specifications

- Operating Temperature  
 $-55^\circ\text{C}$  to  $+125^\circ\text{C}$
- Vibration  
10HZ to 2000HZ 15G
- Shock  
50G
- Moisture Resistance  
 $40^\circ\text{C}$  95%RH 120 Hours

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## Ordering Information

Example Part Number: **SP30B-10K-CT**

SP30B	10K	CT
Model	Resistance	Options
SP30B	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>



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