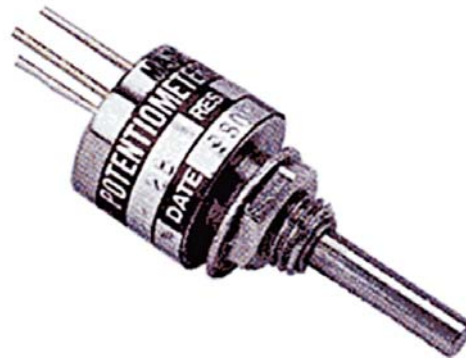


# SP12B

.2 watts - 1/2 inch diameter



*Space-saving Series SP12B potentiometers feature Conductive Plastic elements, all metal housing, and gold plated wire terminals*

## Features

- Conductive Plastic resistive element
- Plated brass housing
- Stainless steel shaft
- Gold plated brass terminals

## Electrical specifications

Resistance Range  
500 to 100K ohms standard

Resistance Tolerance  
±15%

Independent Linearity  
±2%

Resolution  
Essentially Infinite

Electrical Rotation  
300° ±5°

Power Rating  
.2 watt

Output Smoothness  
Less than 0.1%

Insulation Resistance  
1000 Megohms @ 500VDC

Dielectric Strength  
500 VAC

## Mechanical Specifications

Mechanical Rotation  
Continuous

Torque  
0.3 oz. in.

Stop Strength (EUP1960)  
50 oz. in.

Bearing Type  
Sleeve

Rotational Life  
5,000,000 Turns rated

## Environmental Specifications

Operating Temperature  
-55 °C to +105 °C

Temperature Coefficient  
±400 PPM/°C

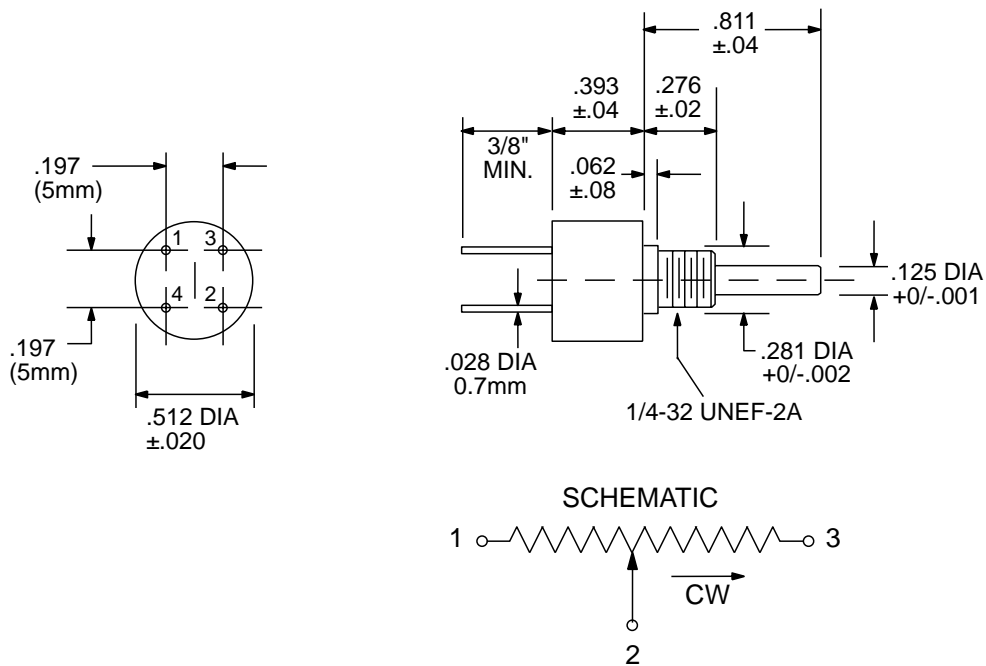
Vibration  
10Hz to 2000Hz - 15G

Shock  
50G

Moisture Resistance  
40°C 95%RH - 120 Hours

# SP12B

.2 watts - 1/2 inch diameter



## Ordering Information

Example Part Number: **SP12B-10K-SB**

SP12B	10K	IP
Model	Resistance	Options
SP12B	500 = 500 ohms 1K = 1K 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

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



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