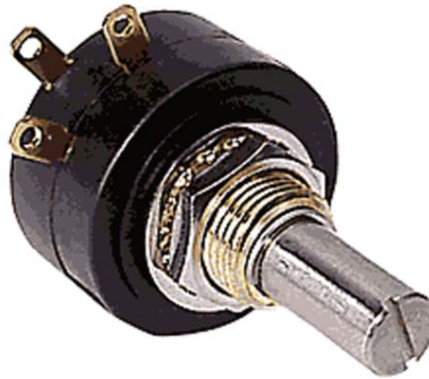


SP22E

1 watt - .86 inch diameter



*Series SP22E potentiometers feature
Conductive Plastic elements and gold plated terminals*

Features

- Conductive Plastic resistive element
- High Temp. Thermoplastic
- Stainless steel shaft
- Gold plated brass terminals
- Terminals fit AMP Model 110S connectors

Electrical specifications

Resistance Range
500 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 watt

Output Smoothness
Less than 0.1%

Insulation Resistance
1000 Megohms @ 500VDC

Dielectric Strength
500 VAC

Mechanical Specifications

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

Torque
Less than 0.8 oz. in.

Stop Strength
84 oz. in.

Weight
Approx. 0.7 oz.

Rotational Life
10,000,000 Turns rated

Environmental Specifications

Operating Temperature
 -55°C to $+105^\circ\text{C}$

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

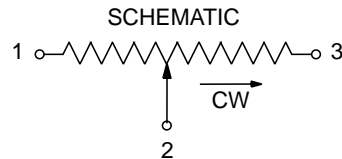
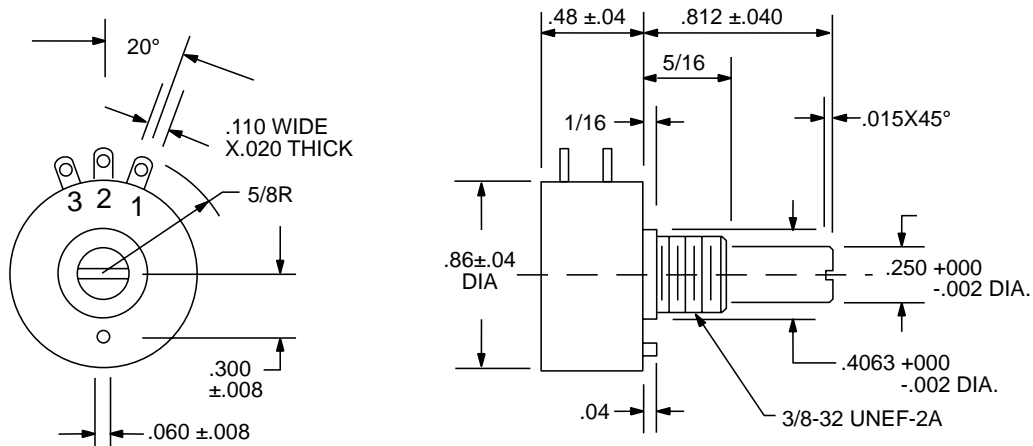
Vibration
10Hz to 2000Hz - 15G

Shock
50G 11mS

Moisture Resistance
 40°C 95%RH - 120 Hours

SP22E

1 watt - .86 inch diameter



Ordering Information

Example Part Number: **SP22E-10K-SB**

| SP22E | 10K | IP |
|-------|--|--|
| Model | Resistance | Options |
| SP22E | 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 S = Servo Mount with ball bearings |

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



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