

# SP22E Conductive Plastic Potentiometer - .86" Dia.



For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)



**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

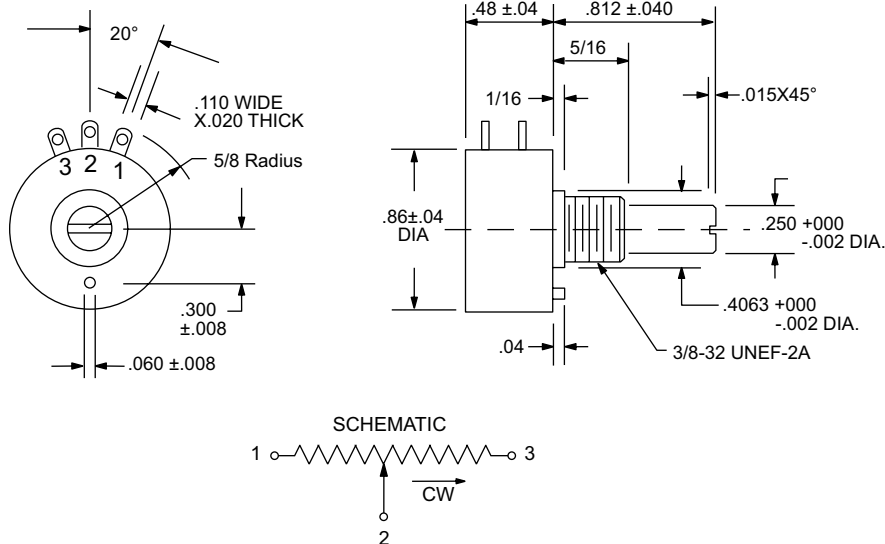
## Mechanical Specifications

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:  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$   
Temperature Coefficient:  $\pm 400$  PPM/ $^\circ\text{C}$   
Vibration: 10Hz to 2000Hz - 15G  
Shock: 50G 11mS  
Moisture Resistance:  $40^\circ\text{C}$  95%RH - 120 Hours

# SP22E Conductive Plastic Potentiometer - .86" dia.



## Ordering Information

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

SP22E	10K	IP
<b>Model</b>	<b>Resistance</b>	<b>Options</b>
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

For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)

