

SP22F

1 watt - .86 inch diameter



*Series SP22F 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
 $340^\circ \pm 5^\circ$

Power Rating
1 watt

Output Smoothness
Less than 0.1%

Insulation Resistance
1000 Megohms @ 500VDC

Dielectric Strength
500 VAC

Mechanical Specifications

Mechanical Rotation
Continuous rotation

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/ $^\circ\text{C}$

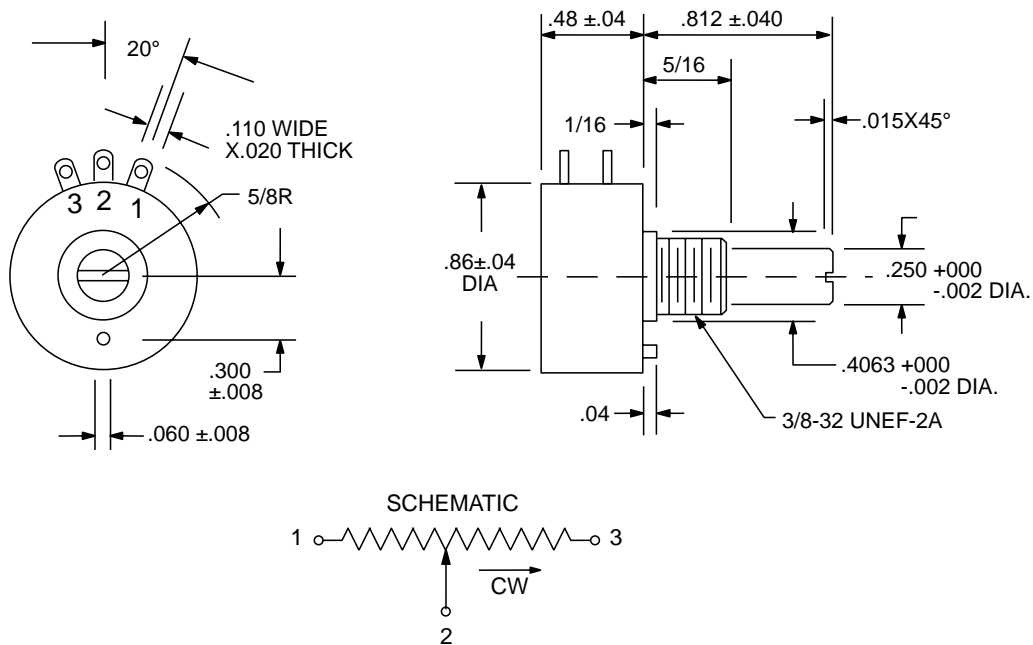
Vibration
10Hz to 2000Hz - 15G

Shock
50G 11mS

Moisture Resistance
 40°C 95%RH - 120 Hours

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Ordering Information

Example Part Number: **SP22F-10K-SB**

SP22F	10K	IP
Model	Resistance	Options
SP22F	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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