

SP22F .86" dia. Conductive Plastic Potentiometer



For more information about this product, visit our website at: www.potentiometers.com



**Series SP22F potentiometers feature
Conductive Plastic elements and gold plated terminals**

Features

- Conductive Plastic resistive element
- High Temp. Thermoplastic case
- 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

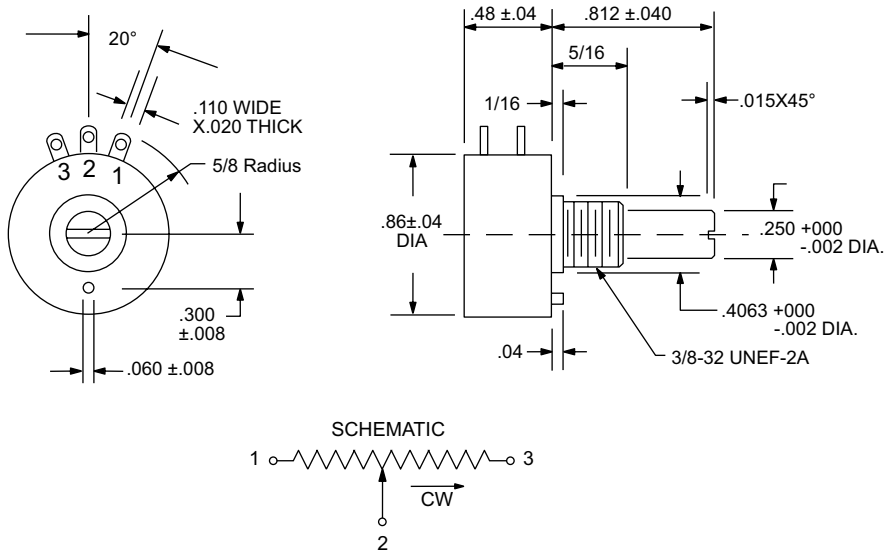
Mechanical Specifications

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	SB
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

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