

**GENERAL:**  
 CP-2FB(b)-7 IS  $\varnothing 22.3\text{mm}$ (7/8") CASE SIZE,  $\varnothing 6.35\text{mm}$ (1/4") SHAFT WITH 2 SETS OF BALL BEARINGS, BUSHING MOUNT, CONDUCTIVE PLASTIC POTENTIOMETER.  
 ITS CO-MOLDED ELEMENT AND PRECISION CONSTRUCTION ALLOW THE UNIT TO FEATURE LOW TORQUE, SUPERB SMOOTHNESS AND LONG LIFE.

**ELECTRICAL SPECIFICATIONS:**

ELECTRICAL ANGLE: 340°  
 TOTAL RESISTANCE: <sup>(A1)</sup> 0.5, 1, 2, 5, 10 KOHMS  
 TOTAL RESISTANCE TOLERANCE:  $\pm 20\%$   
 LINEARITY (INDEPENDENT):  $\pm 1\%$   
 REPEATABILITY:  $\pm 0.005\%$   
 POWER RATING: 1 WATT @ 70°C  
 INSULATION RESISTANCE: 100 megOHMS MIN. @ 1,000 Vdc  
 DIELECTRIC STRENGTH: 1,000 Vrms @ 50/60 Hz for 1 MINUTE

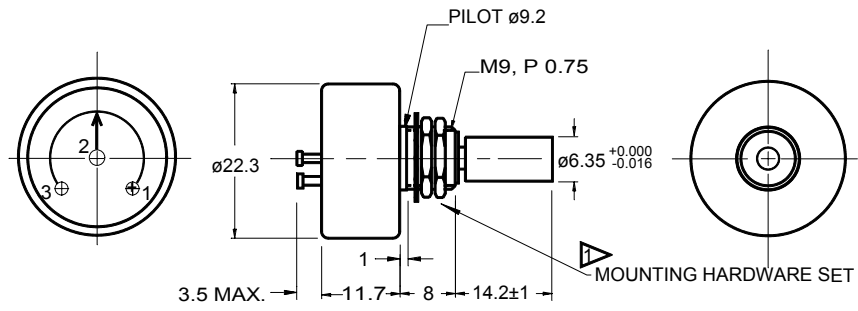
**MECHANICAL SPECIFICATIONS:**

MECHANICAL ANGLE: 360°  
 SHAFT BEARING: BALL BEARING  
 TORQUE: 5 g-cm (0.069 in-oz) MAX.  
 WEIGHT: APPROX. 60 g (2.1 oz)  
 LIFE: 10 MILLION CYCLES MIN.

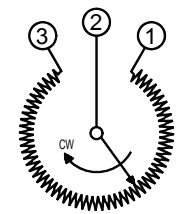
**ENVIRONMENTAL SPECIFICATIONS:**

OPERATING TEMPERATURE: -40°C to +120°C  
 VIBRATIONS: 15 Gs, 2,000 Hz  
 SHOCK: 50Gs, 11 mS

**MOUNTING HARDWARE:** 2 NUTS AND A LOCKWASHER TO BE SUPPLIED WITH UNIT



**FIGURE 1 OUTLINE DIMENSIONS**



**FIGURE 2 SCHEMATIC**

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