

GENERAL:

MODEL CP-2FCB(m) IS A $\phi 22.3$ mm (7/8") O.D., $\phi 3.175$ mm (1/8") SHAFT, LOW COST, BUSHING MOUNT, CONDUCTIVE PLASTIC POTENTIOMETER. ITS CONNECTOR TYPE (ALSO SOLDERABLE) TERMINATION AND PRECISION CONSTRUCTION MAKE IT SUITABLE FOR WIDE RANGE OF COMMERCIAL AND INDUSTRIAL APPLICATIONS.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL ANGLE: 340°
 TOTAL RESISTANCE: 5 KOHMS
 TOTAL RESISTANCE TOLERANCE: $\pm 20\%$
 LINEARITY (INDEPENDENT): $\pm 1\%$
 REPEATABILITY: $\pm 0.05\%$
 POWER RATING: ^(A1) 0.5 WATTS @70°C
 INSULATION RESISTANCE : 100 megOHMS MIN. @ 1,000 Vdc
 DIELECTRIC STRENGTH: 1,000 Vrms @50/60 Hz for 1 MINUTE

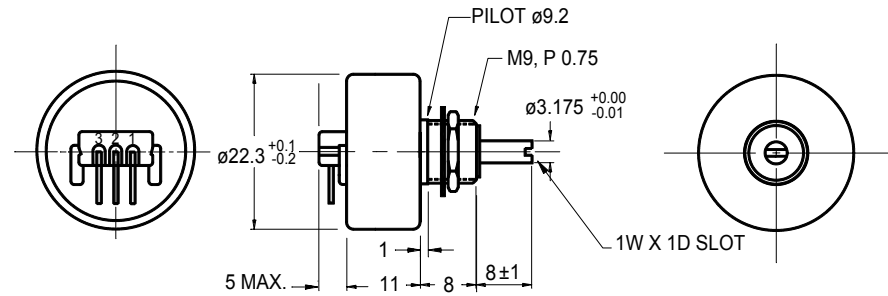
MECHANICAL SPECIFICATIONS:

MECHANICAL ANGLE: 360°
 SHAFT BEARING: METAL SLEEVE BEARING
 TORQUE: 20 g-cm (0.278 in-oz) MAX.
 WEIGHT: APPROX. 60 g (2.1 oz)
 LIFE: 10 MILLION CYCLES MIN.

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE: -40°C to +100°C
 VIBRATIONS: 15 Gs, 2,000 Hz
 SHOCK: 50Gs, 11 mS

C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	1) 0.5 WATTS @70°C WAS 1 WATT @70°C.	3/4/97	T.TSUGAWA	



NOTE:
 MATING CONNECTOR INFORMATION: (NOT SUPPLIED WITH UNIT)
 MANUFACTURER : HIROSE ELECTRIC CO.
 HOUSING: P/N HNC2-2.5S-3
 PIN: P/N HNC2-2.5S-D-A

FIGURE 1 OUTLINE DIMENSIONS

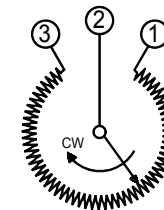


FIGURE 2 SCHEMATIC



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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in).
 TOLERANCES:
 ANGLES $\pm 1.5^\circ$
 <10 mm: ± 0.25
 <100 mm: ± 0.5
 >100 mm: ± 1

DRAWN	T.TSUGAWA	DATE	3/4/97
CHECKED		DATE	
APPROVED		DATE	
APPROVED		DATE	
SCALE:			

SPECIFICATION DWG
 FOR
MODEL CP-2FCB(m)
 POTENTIOMETER

FILE: CP-2FCB

Midori America Corporation
 FULLERTON, CA

A-MAC-C01 **A**