

REF. NO:

REVISION

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: ^(A) 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

C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	1) 0.5, 2, 5, 10 KOHOMS ADDED.	8/19/04	T.TSUGAWA	

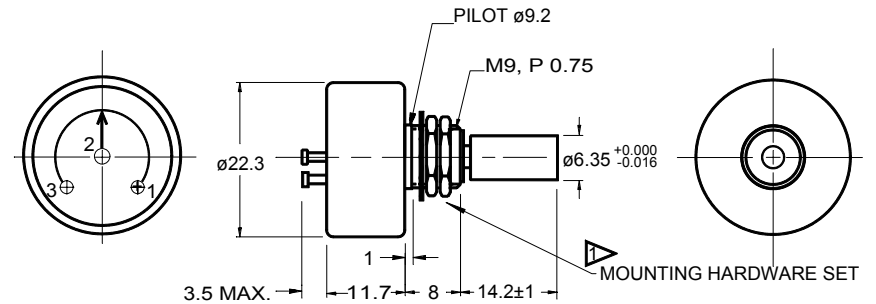


FIGURE 1 OUTLINE DIMENSIONS

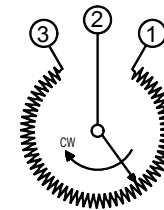


FIGURE 2 SCHEMATIC

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

DRAWN	T.TSUGAWA	DATE	2/14/97
CHECKED	Y. NAKAMURA	DATE	2/17/97
APPROVED		DATE	
APPROVED		DATE	

SCALE:

SPECIFICATION DWG
 FOR
 MODEL CP-2FB(b)-7
 POTENTIOMETER

FILE: CP-2FB(b)-7

Midori America Corporation
 FULLERTON, CA

A-MAC-B98 A

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