

REF. NO: MPCL 93 CAT. P61

REVISION

C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	(1)8±1 WAS 8. (2)"--@1,000 Vdc" WAS "-- @500 Vdc."	9/23/96	T.TSUGAWA	

GENERAL:

MODEL CP-2FB(x) IS 22.3mm (7/8") O.D., 3.175mm (1/8") DIA. SHAFT, BUSHING MOUNT, CONDUCTIVE PLASTIC POTENTIOMETER. ITS CO-MOLDED ELEMENT AND PRECISION CONSTRUCTION PERMIT THE UNIT TO FEATURE LOW TORQUE, SUPERB SMOOTHNESS AND LONG LIFE. ITS SHAFT BEARING IS AVAILABLE IN EITHER BALL BEARING OR METAL SLEEVE BEARING.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL ANGLE: 340°
 TOTAL RESISTANCE: 0.5, 1, 2, 5, 10K OHMS
 TOTAL RESISTANCE TOLERANCE: ±20%
 LINEARITY (INDEPENDENT): ±1% (±0.5% AVAILABLE)
 REPEATABILITY:
 MODEL CP-2FB(b): ±0.005%
 MODEL CP-2FB(m): ±0.05%
 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:
 MODEL CP-2FB(b): BALL BEARING
 MODEL CP-2FB(m): METAL SLEEVE BEARING
 TORQUE:
 MODEL CP-2FB(b): 5 g-cm (0.069 in-oz) MAX.
 MODEL CP-2FB(m): 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 120°C
 VIBRATIONS: 15 Gs, 2,000 Hz
 SHOCK: 50Gs, 11 ms

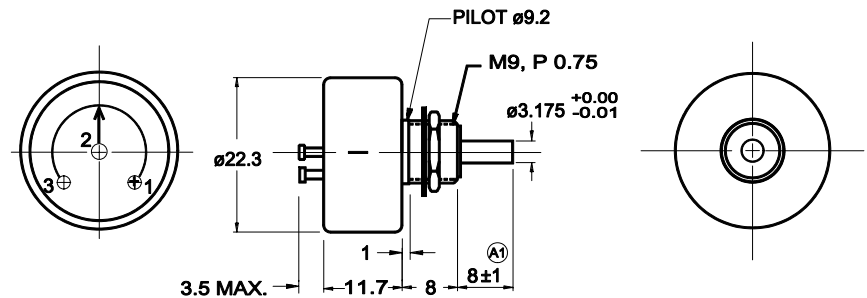


FIGURE 1 OUTLINE DIMENSIONS

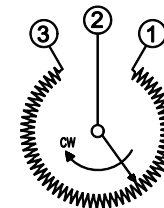


FIGURE 2 SCHEMATIC



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

DRAWN	T.TSUGAWA	DATE	7/18/94
CHECKED		DATE	
APPROVED		DATE	
APPROVED		DATE	
SCALE:			

SPECIFICATION DWG
 FOR
MODEL CP-2FB(x)
POTENTIOMETER

A-MAC-B47 **A**
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