

GENERAL:

MODEL CP-3FB IS $\phi 36.5\text{mm}$ (1.44") CASE, $\phi 6\text{mm}$ (0.236") SHAFT, PANEL MOUNT TYPE, PRECISION CONDUCTIVE PLASTIC POTENTIOMETER. ITS SUPERB QUALITY, RELIABILITY AND PERFORMANCE MAKE CP-3FB SUITABLE FOR PRECISION POSITION SENSING APPLICATIONS.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL ANGLE: 340°
 TOTAL RESISTANCE: 0.5, 1, 2, 5, 10K OHMS
 TOTAL RESISTANCE TOLERANCE: $\pm 20\%$
 LINEARITY (INDEPENDENT): $\pm 1\%$ ($\pm 0.5\%$, $\pm 0.2\%$, $\pm 0.15\%$ AVAILABLE) ^(A)
 REPEATABILITY: 0.003%
 POWER RATING: ^(A) 1.5 WATTS@70°C.
 INSULATION RESISTANCE: 100 meg OHMS MIN. @ 1,000 Vdc
 DIELECTRIC STRENGTH: 1,000 Vrms @ 50/60 Hz, for 1 MINUTE

MECHANICAL SPECIFICATIONS:

MECHANICAL ANGLE: 360°
 TORQUE: 14 g-cm MAX. (0.2 oz-in MAX.)
 WEIGHT: APPROX. 40 g (1.4 oz)
 LIFE: 10 MILLION CYCLES MIN.

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE: -40°C to $+120^\circ\text{C}$
 VIBRATIONS: 15 Gs, 2,000 Hz
 SHOCK: 50Gs, 11 ms

REVISION

C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPRD
	A	1) $\pm 0.5\%$, $\pm 0.2\%$ ADDED. (2) WAS 2 WATTS@70°C.	8/20/04	TSUGAWA	

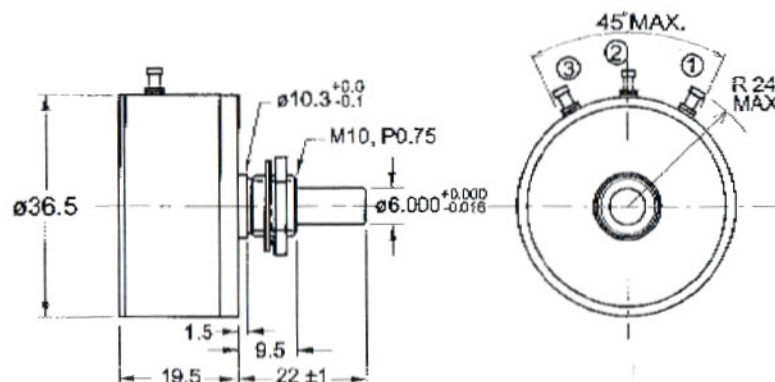


FIGURE 1 OUTLINE DIMENSION

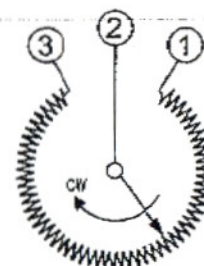


FIGURE 2 WIRING DIAGRAM

UNLESS OTHERWISE
 SPECIFIED, DIMENSIONS
 ARE IN mm (in).

TOLERANCES:

ANGLES $\pm 1.5^\circ$
 $< 10\text{ mm}$ ± 0.25
 $< 100\text{ mm}$ ± 0.5
 $> 100\text{ mm}$ ± 1

DRAWN	DATE
T. TSUGAWA	3/21/97
CHECKED	DATE
APPROVED	DATE
APPROVED	DATE

SCALE:

SPECIFICATION DWG
 FOR
 MODEL CP-3FB
 POTENTIOMETER

FILE: CP-3FB

Midori America
 Corporation
 EVANSTON, IL

A-MAC-C04 A

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