

GENERAL:

MODEL CPP-45-xxSX IS A CONDUCTIVE PLASTIC POTENTIOMETER WITH A GEAR HEAD ASSEMBLY. A COMBINATION OF THE SUPERB PERFORMANCE CHARACTERISTICS OF CPP-45 SERIES POTENTIOMETER AND PRECISION ASSEMBLY OF ANTI-BACKLASH HELICAL GEAR AND TWO SETS OF BALL BEARINGS ALLOW THE UNIT TO BE A PRECISION, ULTRA RELIABLE MULTI TURN POTENTIOMETER.

ELECTRICAL CHARACTERISTICS:

ELECTRICAL ANGLE:	350°
TOTAL RESISTANCE:	1k, 2k, 5k, 10k and 20k OHMS
RESIST. TOLERANCE:	±15%
LINEARITY (INDEPENDENT):	±0.3% (±0.1% AVAILABLE)
REPEATABILITY:	+0.03% (INCLUDING BACKLASH)
POWER RATING:	3 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:

GEAR (REDUCTION) RATIO:

MODEL CPP-45-10SX	10 : 1
MODEL CPP-45-14SX	14 : 1
MODEL CPP-45-18SX	18 : 1
MODEL CPP-45-24SX	24 : 1
MODEL CPP-45-35SX	35 : 1
MODEL CPP-45-60SX	60 : 1
MODEL CPP-45-100SX	100 : 1

TORQUE: 40 gm-cm (0.56 in-oz) MAX.

WEIGHT: APPROX. 220 gm (8 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

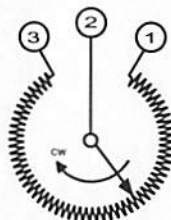


FIGURE 2 WIRING DIAGRAM

SYM	DESCRIPTION	DATE	DRAWN	APPR'D
A	1) WAS ±0.5%	05/06/02	T.TSUGAWA	
B	1) ADDED *-14SX, -18SX, -60SX*	03/03/07	T.TSUGAWA	

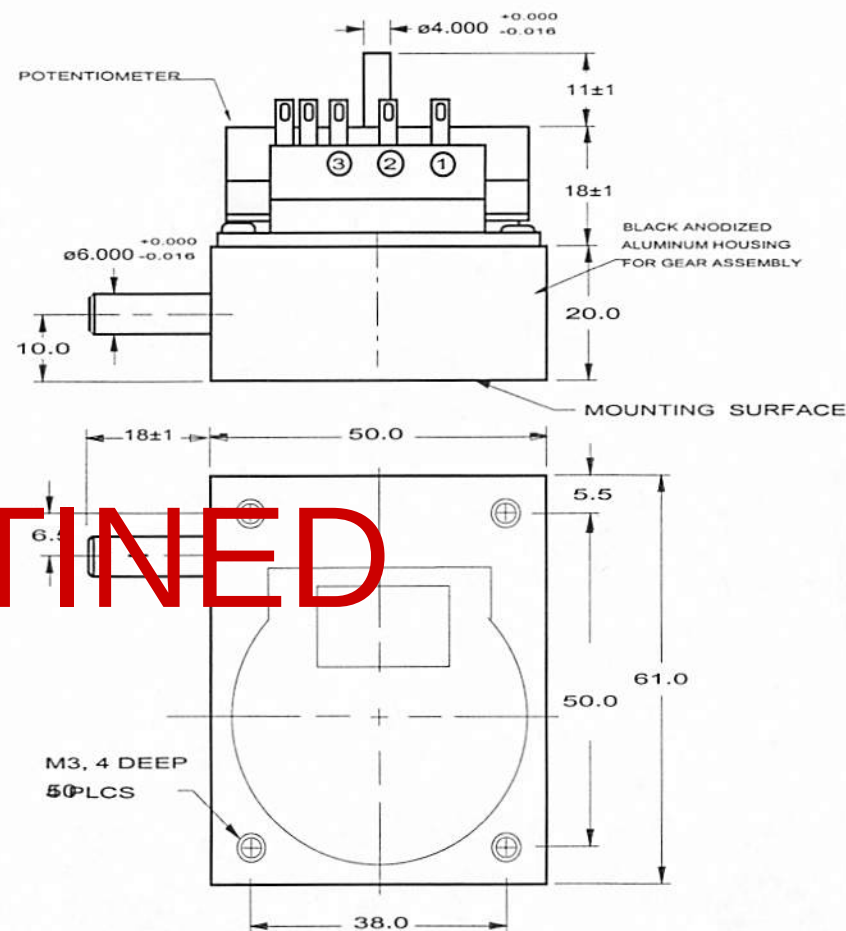


FIGURE 1 OUTLINE DIMENSION

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	1/16/97
CHECKED		DATE	
APPROVED		DATE	
APPROVED		DATE	
SCALE:			

SPECIFICATION DWG
FOR
MODEL CPP-45-xxSX
POTENTIOMETER
(WITH GEAR HEAD)

FILE: CPP-45-xxSX

Midori America
Corporation

FULLERTON, CA

A-MAC-B91 B

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