REF. NO: MPCL 95CAT PG 72

REVISION

C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D

GENERAL:

MODEL LP-50F IS A 50 mm STROKE CONDUCTIVE PLASTIC, LINEAR MOTION POTENTIOMETER OF WHICH PERFORMANCE IS UNAFFECTED BY SHAFT ROTATION.
ITS COMOLD ELEMENT AND PRECISION CONSTRUCTION ALLOW THE UNIT TO FEATURE LOW TORQUE, SUPERB SMOOTHNESS AND LONG LIFE.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL STROKE:	50 mm (F.S.)
TOTAL RESISTANCE:	0.2, 0.5, 1, 2, 5 kOHMS
TOTAL RESIS. TOLERANCE:	±20%
LINEARITY (INDEPENDENT):	±0.5% (±0.2% AVAILABLE)
REPEATABILITY:	±0.005%
POWER RATING:	1.5 WATTS @70°C
INSULATION RESISTANCE:	500 meg OHMS MIN. @ 500 Vdc
DIELECTRIC STRENGTH:	500 Vrms,50/60Hz,for 1 MINUTE
RESISTANCE TEMP. COEFFECIENT:	400 ppm/°C

MECHANICAL SPECIFICATIONS:

MECHANICAL STROKE:	55 mm
FRICTION:	50 gf (1.8 oz)
WEIGHT:	75 g (2.7 oz)

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE:	-40°C to +100°C
VIBRATION:	10 Gs, 500 Hz
SHOCK:	50 Gs, 11 mS
LIFE:	5 MILLION CYCLES MIN.

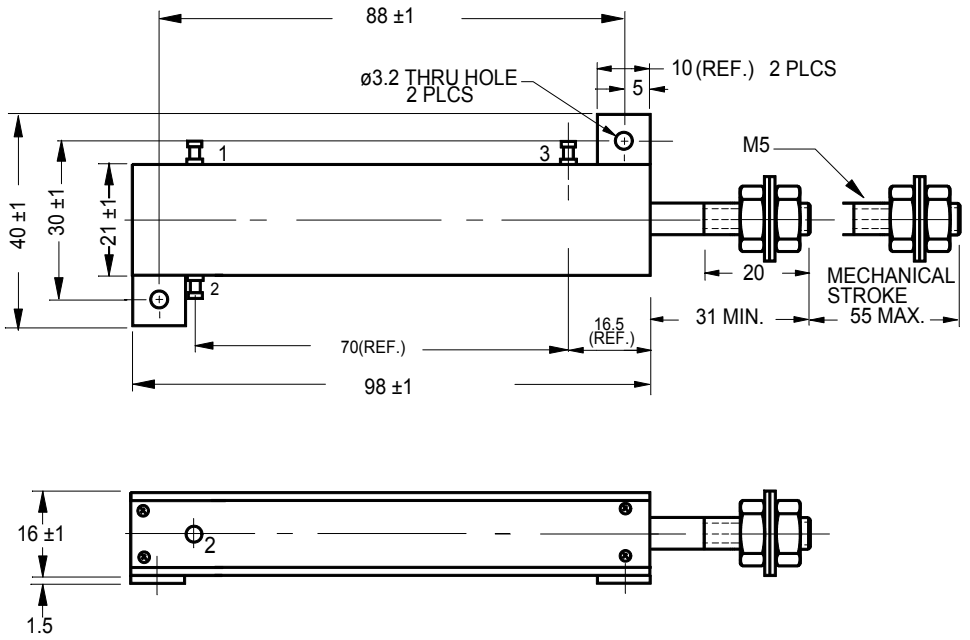

FIGURE 1 OUTLINE DIMENSIONS

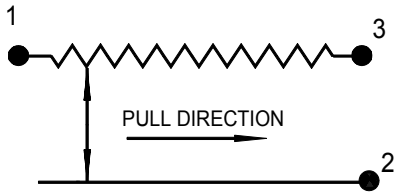

FIGURE 2 SCHEMATIC

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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 1/27/95	SPECIFICATION DWG FOR MODEL LP-50F LINEAR MOTION POTENTIOMETER
CHECKED	DATE	
APPROVED	DATE	
APPROVED	DATE	
SCALE: NONE		FILE: LP-50F

Midori America Corporation
FULLERTON, CA

A-MAC-B62