

REF. NO: MPCL 98CAT PG72		REVISION			
C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	"SEAL COMPLIANCE:IP54" WAS "SEAL: WATERPROOF".	08/10/03	T.SUGAWA	

GENERAL:

MODEL LP-50FBS-8 IS A WATERPROOFED, CONDUCTIVE PLASTIC, LINEAR MOTION POTENTIOMETER, WITH AN INTERNAL RETURN SPRING. ITS STURDY AND PRECISION CONSTRUCTION ALLOWS UNIT TO BE SUITABLE FOR APPLICATIONS IN WET, OILY DUSTY OPERATING ENVIRONMENTS.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL STROKE:	50 mm
TOTAL RESISTANCE:	0.5, 1, 2, 5 KOHMS
TOTAL RESIS. TOLERANCE:	±20%
LINEARITY (INDEPENDENT):	±0.5%
REPEATABILITY:	±0.005%
POWER RATING:	1.5 WATTS @70°C
RESISTANCE TEMP. COEFFICIENT:	400 ppm/°C
INSULATION RESISTANCE:	100 meg OHMS MIN. @500 Vdc
DIELECTRIC STRENGTH:	500 Vrms,50/60Hz,for 1 MINUTE

MECHANICAL SPECIFICATIONS:

MECHANICAL STROKE:	(50 ±1) mm
FRICTION (SPRING FORCE):	1.6 kgf MAX.
MOUNTING HOLES:	REFER TO FIGURE 1

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE:	-40° TO +100°C
VIBRATION:	10 Gs, 500 Hz
SHOCK:	50 Gs, 11 mS
LIFE:	5 MILLION CYCLES MIN.
① SEAL COMPLIANCE:	IP54

FIGURE 1 OUTLINE DIMENSIONS

FIGURE 2 SCHEMATIC

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 08/11/98	SPECIFICATION DWG FOR MODEL LP-50FBS-8 SEALED, LINEAR POT. (WITH RETURN SPRING)	Midori America Corporation FULLERTON, CA B-MAC-B24 A
	CHECKED	DATE		
	APPROVED	DATE		
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	SCALE:	FILE: LP-50FBS-8		
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We are here for you. Addresses and Contacts.

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