

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	TSUGAWA		
GENERAL: MODELS LP-10FBS-3 AND LP-20FBS-3 ARE WATERPROOFED, CONDUCTIVE PLASTIC, LINEAR MOTION POTENTIOMETERS,WITH A RETURN SPRING. THEIR STURDY AND PRECISION CONSTRUCTION ALLOWS THE UNITS TO BE SUITABLE FOR APPLICATIONS IN WET, OILY, DUSTY OPERATING ENVIRONMENTS.						
ELECTRICAL SPECIFICATIONS:						
ELECTRICAL STROKE:						
LP-10FBS-3		10 mm				
LP-20FBS-3		20 mm				
TOTAL RESISTANCE:						
LP-10FBS-3		0.5, 1 KOHMS				
LP-20FBS-3		0.5, 1, 2 KOHMS				
TOTAL RESIS. TOLERANCE:						
		±20%				
LINEARITY (INDEPENDENT):						
		±1% (±0.5% AVAILABLE)				
REPEATABILITY:						
		0.03%				
POWER RATING:						
LP-10FBS-3		0.3 WATTS @70°C				
LP-20FBS-3		0.6 WATTS @70°C				
INSULATION RESISTANCE:						
		100 meg OHMS MIN. @500 Vdc				
DIELECTRIC STRENGTH:						
		500 Vrms,50/60Hz,for 1 MINUTE				
RESISTANCE TEMP. COEFFICIENT:						
		400 ppm/°C				
MECHANICAL SPECIFICATIONS:						
MECHANICAL STROKE:		(ELECTRICAL STROKE) + (2 ±1)mm				
FRICTION (SPRING FORCE):		1.8 kgf MAX.				
MOUNTING HOLES:		REFER TO FIGURE 1				
WEIGHT:		APPROX. 80 g				
LP-10FBS-3		APPROX. 100 g				
LP-20FBS-3						
ENVIRONMENTAL SPECIFICATIONS:						
OPERATING TEMPERATURE:		-40° TO +100°C				
VIBRATION:		10 Gs, 500 Hz				
SHOCK :		50 Gs, 11 mS				
LIFE:		5 MILLION CYCLES MIN.				
(A) SEAL COMPLIANCE:		IP54				
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 08/06/98	SPECIFICATION DWG FOR MODEL LP-10FBS-3 LP-20FBS-3 SEALED, LINEAR POT. (WITH RETURN SPRING)			
CHECKED		DATE				
APPROVED		DATE				
APPROVED		DATE				
SCALE:		FILE: LP-10FBS-3, LP-20FBS-3	Midori America Corporation FULLERTON, CA B-MAC-B23 A			
			1 OF 1			

We are here for you. Addresses and Contacts.

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