

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		
<p>GENERAL:</p> <p>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.</p> <p>ELECTRICAL SPECIFICATIONS:</p> <p>ELECTRICAL STROKE: LP-10FBS-3 10 mm LP-20FBS-3 20 mm</p> <p>TOTAL RESISTANCE: LP-10FBS-3 0.5, 1 KOHMS LP-20FBS-3 0.5, 1, 2 KOHMS</p> <p>TOTAL RESIS. TOLERANCE: ±20%</p> <p>LINEARITY (INDEPENDENT): ±1% (±0.5% AVAILABLE)</p> <p>REPEATABILITY: 0.03%</p> <p>POWER RATING:</p> <p> LP-10FBS-3 0.3 WATTS @70°C LP-20FBS-3 0.6 WATTS @70°C</p> <p>INSULATION RESISTANCE: 100 meg OHMS MIN. @500 Vdc</p> <p>DIELECTRIC STRENGTH: 500 Vrms,50/60Hz, for 1 MINUTE</p> <p>RESISTANCE TEMP. COEFFICIENT: 400 ppm/°C</p> <p>MECHANICAL SPECIFICATIONS:</p> <p>MECHANICAL STROKE: (ELECTRICAL STROKE) + (2 ±1)mm</p> <p>FRICTION (SPRING FORCE): 1.8 kgf MAX.</p> <p>MOUNTING HOLES: REFER TO FIGURE 1</p> <p>WEIGHT: LP-10FBS-3 APPROX. 80 g LP-20FBS-3 APPROX. 100 g</p> <p>ENVIRONMENTAL SPECIFICATIONS:</p> <p>OPERATING TEMPERATURE: -40° TO +100°C</p> <p>VIBRATION: 10 Gs, 500 Hz</p> <p>SHOCK: 50 Gs, 11 mS</p> <p>LIFE: 5 MILLION CYCLES MIN.</p> <p>Ⓐ SEAL COMPLIANCE: IP54</p>		<p>FIGURE 1 OUTLINE DIMENSIONS</p> <p>FIGURE 2 SCHEMATIC</p>				
<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in).</p> <p>TOLERANCES: ANGLES ±1.5° ≤10 mm: ±0.25 <100 mm: ±0.5 ≥100 mm: ±1</p>		<p>DRAWN T. TSUGAWA</p> <p>CHECKED</p> <p>APPROVED</p> <p>APPROVED</p> <p>SCALE:</p>	<p>DATE 08/06/98</p> <p>DATE</p> <p>DATE</p> <p>DATE</p>	<p>SPECIFICATION DWG FOR MODEL LP-10FBS-3 LP-20FBS-3 SEALED, LINEAR POT. (WITH RETURN SPRING)</p>		<p>Midori America Corporation <small>FULLERTON, CA</small></p> <p>B-MAC-B23 A</p>
		FILE: LP-10FBS-3, LP-20FBS-3	1 OF 1			

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