

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

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