

REF. NO:		REVISION				
C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D	
	A	1) RESISTANCE VALUE, 0.5k AND 30k REMOVED AND 20k WAS STD. 2) SEAL COMPLIANCE ADDED.	08/14/03	TSUGAWA		
	B	1) WAS ±0.3%. (2) "(±0.1% AVAILABLE)" ADDED.	08/14/03	TSUGAWA		

GENERAL DESCRIPTION:

MODEL LP-xxxFX IS A LINEAR MOTION, CONDUCTIVE PLASTIC POTENTIOMETER WITH DUST PROOF, HIGH STRENGTH DIECAST ALUMINUM HOUSING, USING "CAP-SEAL" ON THE SHAFT AND WATER-PROOF CONNECTOR AT THE OTHER END. ITS CO-MOLD RESISTIVE ELEMENT AND PRECISION MECHANICAL CONSTRUCTION ALLOW THE UNIT TO FEATURE SUPERB OUTPUT SMOOTHNESS, RESOLUTION, ACCURACY AND RELIABILITY.

FIGURE 2 SCHEMATIC

FIGURE 1 OUTLINE DIMENSION

SPECIFICATIONS:

ELECT. STROKE, L(es), in mm:

^A RESISTANCE in kΩ (±20%):

POWER RATING (@ 70°C):

INDEPENDENT LINEARITY:

OUTPUT SMOOTHNESS:

INSULATION RESISTANCE:

DIELECTRIC STRENGTH:

TEMPERATURE COEFFICIENT:

OPERATING TEMPERATURE:

FRICTION:

LIFE:

^{A2} SEAL COMPLIANCE:

	(-50FX)	(-100FX)	(-150FX)	(-200FX)	(-250FX)	(-300FX)	(-400FX)	(-500FX)	(-750FX)	(-1,000FX)
ELECT. STROKE, L(es), in mm:	50	100	150	200	250	300	400	500	750	1,000
^A RESISTANCE in kΩ (±20%):	1, 2, 5	1, 2, 5, 10	1, 2, 5, 10	1, 2, 5, 10 (20 AVAILABLE)	2, 5, 10 (20 AVAILABLE)	2, 5, 10 (20 AVAILABLE)	5, 10	10	20	20
POWER RATING (@ 70°C):	1.5 W	2.5 W	3 W	4 W	4 W	4.5 W	5 W	5 W	6 W	7 W
INDEPENDENT LINEARITY:	±0.5%	±0.3%	±0.3%	±0.3%	±0.3%	±0.1% ^{B1}	±0.1%	±0.1%	±0.1%	±0.1%
OUTPUT SMOOTHNESS:	0.1% MAX.									
INSULATION RESISTANCE:	100 meg Ω MIN. @ 500 Vdc									
DIELECTRIC STRENGTH:	500 Vrms, 50/60 Hz for 1 MINUTE									
TEMPERATURE COEFFICIENT:	±400 ppm/°C MAX.									
OPERATING TEMPERATURE:	-40°C to +125°C									
FRICTION:	400 grams MAX.									
LIFE:	10 million STROKES MIN.									
^{A2} SEAL COMPLIANCE:	IP40									

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in). TOLERANCES:	DRAWN	DATE	SPECIFICATION DWG FOR MODEL LP-xxxFX LINEAR POTENTIOMETER (DUST PROOF)	Midori America Corporation FULLERTON, CA
	T. TSUGAWA	1/28/97		
	CHECKED	DATE		
	APPROVED	DATE		
	APPROVED	DATE		
SCALE:	FILE: LP-xxxFX		A-MAC-B93	B
			1 OF 1	

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