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.

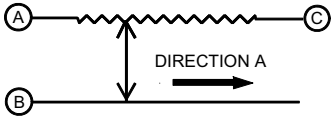
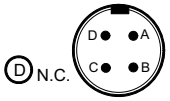


FIGURE 2 SCHEMATIC



CONNECTOR TERMINAL I.D.
(LOOKING INTO CONNECTOR)

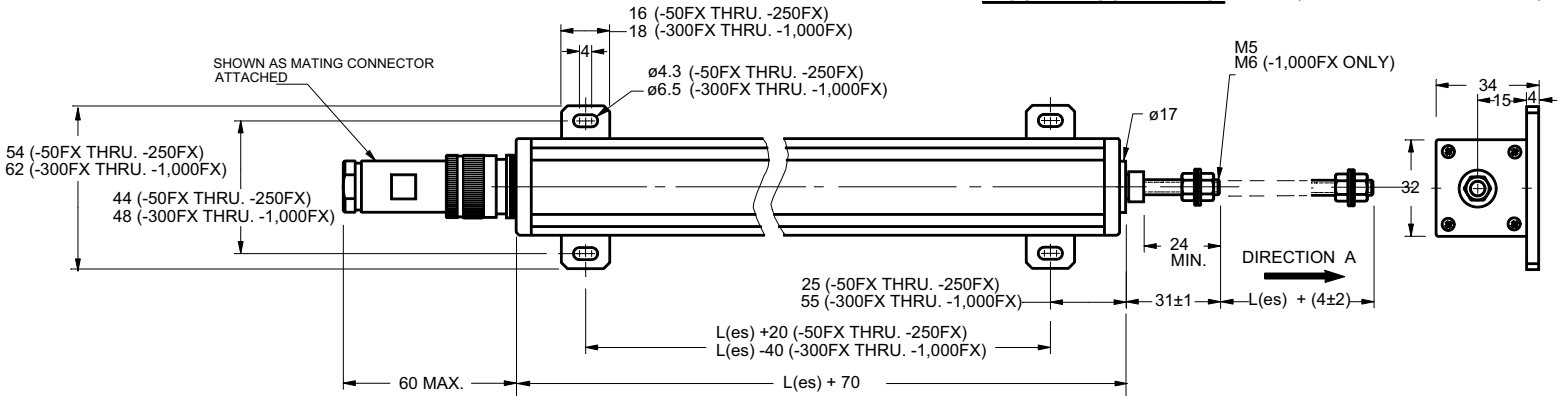


FIGURE 1 OUTLINE DIMENSION

SPECIFICATIONS:

	(-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
(A1) 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%
	(B2) (±0.1% AVAILABLE)									

OUTPUT SMOOTHNESS:	0.1% MAX.
INSULATION RESISTANCE:	100 megΩ 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 T. TSUGAWA	DATE 1/28/97	SPECIFICATION DWG FOR MODEL LP-xxxFX LINEAR POTENTIOMETER (DUST PROOF)	Midori America Corporation FULLERTON, CA
CHECKED	DATE		
APPROVED	DATE		A-MAC-B93 B
APPROVED	DATE		
SCALE:		FILE: LP-xxxFX	1 OF 1

FORM112W

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