

10740	REF. NO:
GENERAL DESCRIPTION: LP-XXFP IS A CONDUCTIVE PLASTIC RESISTIVE ELEMENT LINEAR MOTION POTENTIOMETER DESIGNED FOR HIGH PERFORMANCE AND RELIABILITY IN ITS COMPACT LIGHT WEIGHT PACKAGE. ELECTRICAL CONNECTIONS ARE MADE WITH PIGTAILED, 150mm LONG INSULATED LEADS.	
ELECTRICAL SPECIFICATIONS: ELECTRICAL TRAVEL: SEE TABLE 1 TOTAL RESISTANCE: ^⑧ LP-10FP 0.5, or 1kOHMS±20% LP-20FP 0.5, 1, 2, or 5 KOHMS ±20% LP-30FP 0.5, 1, 2, or 5 KOHMS ±20% LP-50FP 1, 2, 5, or 10 KOHMS ±20% ^⑧ LP-75FP 1, 2, 5, or 10 KOHMS ±20% LP-100FP 2, 5, 10, or 20 KOHMS ±20% LINEARITY, INDEPENDENT: ±1% OUTPUT SMOOTHNESS: 0.1% MAX. POWER RATING : SEE TABLE 1 TEMPERATURE COEFFICIENT: ±400 ppm MAX. INSULATION RESISTANCE: 100 meg OHMS @ 500Vdc DIELECTRIC STRENGTH: 500 Vrms @ 50/60 Hz.	
MECHANICAL SPECIFICATIONS: MECHANICAL STROKE: SEE TABLE 1 FRICTION: 40 g MAX WEIGHT: SEE TABLE 1	
ENVIRONMENTAL SPECIFICATIONS: OPERATING TEMPERATURE: -25°C to +80°C VIBRATION: 15 G's THROUGH 1,000 Hz SHOCK: 50 G's LIFE EXPECTANCY: 10 MILLION OPERATIONS MIN.	
MARKING: UNITS SHALL BE MARKED WITH MODEL NUMBER, RESISTANCE VALUE, AND SERIAL NUMBER (OR DATE CODE).	
MATERIALS: HOUSING: NICKEL PLATED BRASS SHAFT: STAINLESS STEEL SIDE PLATES: THERMOSET PLASTIC, GLASS ENFORCED INSULATED WIRES: #26AWG, PVC INSULATION SLEEVE (UL1061)	

REVISION		DATE	DRAWN	APPR
C.O.N	SYM	DESCRIPTION		
	A	0.2 KOHMS deleted from LP-20 & 30FP. 0.5 KOHMS deleted from LP-50FP.	5/29/91	TSUGAWA
	B	1) MODELS LP-10FP AND LP-75FP ADDED.	11/19/99	TSUGAWA

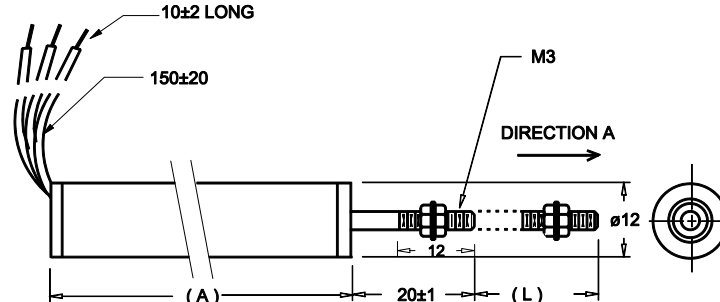


FIGURE1 OUTLINE DIMENSION

MODEL NO.	POWER RATING	ELECT STROKE	BODY LENG. (A)	MECH. STROKE (L)	NOMINAL WEIGHT
LP-10FP: ^⑧	0.3W @70°C	10 mm	38 ±1 mm	12 ±1 mm	10 gm
LP-20FP:	0.6W @70°C	20 mm	48 ±1 mm	22 ±1 mm	20 gm
LP-30FP:	0.9W @70°C	30 mm	58 ±1 mm	32 ±1 mm	30 gm
LP-50FP:	1.5W @70°C	50 mm	78 ±1 mm	52 ±1 mm	40 gm
LP-75FP: ^⑧	1.7W @70°C	75 mm	103 ±1 mm	77 ±1 mm	45 gm
LP-100FP:	2.0W @70°C	100 mm	128 ±1 mm	102 ±1 mm	50 gm

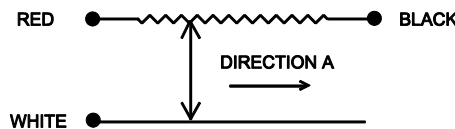


FIGURE 2 SCHEMATIC

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in).	DRAWN T. TSUGAWA DATE 10/24/90	SPECIFICATION DWG FOR MODEL LP-xxFP LINEAR POTENTIOMETER	Midori America Corporation FULLERTON, CA
TOLERANCES:	CHECKED Y. NAKAMURA DATE 7/15/91		
ANGLES: ±1.5°	APPROVED I. SOMA DATE 7/15/91		
<10 mm: ±0.25	APPROVED DATE		
<100 mm: ±0.5	SCALE:	FILE: LP-xxFP	A-MAC-B03 B
>100 mm: ±1			1 OF 1

We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich

Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim

Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
Brecksville, OH 44141

Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts

