# REF. NO:

## **GENERAL:**

MODEL LP-10FB IS A 10 mm STROKE CONDUCTIVE PLASTIC, LINEAR MOTION POTENTIOMETER, WITH A RETURN SPRING. ITS CO-MOLDED ELEMENT, UNIQUE DESIGN AND PRECISION CONSTRUCTION ALLOW THE UNIT TO FEATURE SUPERB OUTPUT SMOOTHNESS AND LONG OPERATING LIFE.

#### **ELECTRICAL SPECIFICATIONS:**

ELECTRICAL STROKE: 10 mm (F.S.)

TOTAL RESISTANCE: 0.1, 0.2, 0.5, 1, 2 kOHMS

TOTAL RESIS. TOLERANCE: ±20%
LINEARITY (INDEPENDENT): ±1%
REPEATABILITY: 0.03%

POWER RATING: 0.3 WATTS @70°C

INSULATION RESISTANCE: 500 meg OHMS MIN. @ 500 Vdc
DIELECTRIC STRENGTH: 500 Vrms,50/60Hz,for 1 MINUTE

RESISTANCE TEMP. COEFFECIENT: 400 ppm/°C

# **MECHANICAL STROKE:**

MECHANICAL STROKE: 12 mm FRICTION (SPRING FORCE): 120 gf

WEIGHT: APPROX. 60 g

#### **ENVIRONMENTAL SPECIFICATIONS:**

OPERATING TEMPERATURE:  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$  VIBRATION: 10 Gs, 500 Hz SHOCK: 50 Gs, 11 mS

LIFE: 5 MILLION CYCLES MIN.

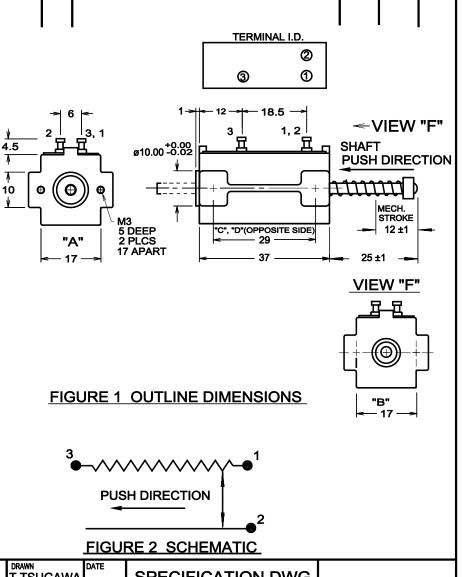
## **MOUNTING HOLES: REFER TO FIGURE 1**

STANDARD HOLE LOCATION IS ON THE SURFACE "A". OPTIONAL MOUNTING HOLE LOCATION IS AVAILABLE ON SURFACES, "B", "C" and "D", AS SHOWN.



## **GUEMISA**

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REVISION

DATE | DRAWN | APPR'D

DESCRIPTION

	OTHERWISE ED, DIMENSIONS m(in).	
TOLERANCES:		
ANGLES:	+1.5°	

C.O.N

SYM

ANGLES: ±1.5° ≤10 mm: ±0.25 <100 mm: ±0.5 ≥100 mm: ±1

DRAWN T.TSUGAWA CHECKED	DATE 12/16/94 DATE	SPECIFICATION DWG	Midori America
APPROVED	DATE	MODEL LP-10FB LINEAR MOTION POT.	Corporation FULLERTON, CA
APPROVED	DATE		A-MAC-B57
SCALE:		FILE: LP-10FB	1 OF 1