# 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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SPECIFIED, DIMENSIONS
ARE IN mm(in).

TOLERANCES:
ANGLES: ±1.5°
APPRO

<100 mm: ±0.5

≥100 mm: ±1

T.TSUGAWA 12/16/94
CHECKED DATE

APPROVED DATE

APPROVED DATE

SCALE:

DATE

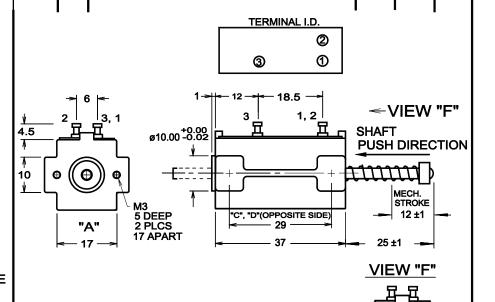
C.O.N

SYM

SPECIFICATION DWG
FOR
MODEL LP-10FB

LINEAR MOTION POT. ( WITH RETURN SPRING )

FILE: LP-10FB 1 0F 1



REVISION

DATE | DRAWN | APPR'D

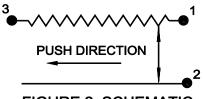
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"B" -- 17

A-MAC-B57

DESCRIPTION

# FIGURE 1 OUTLINE DIMENSIONS



# FIGURE 2 SCHEMATIC