

# SPECIFICATIONS

## ELECTRICAL

RESISTANCE RANGE (OHMS) ----- 1K, 2K, 5K, 10K, 20K, 50K  
 RESISTANCE TOLERANCE ----- ±15%  
 LINEARITY, INDEPENDENT ----- ±2.0%  
 RESOLUTION ----- ESSENTIALLY INFINITE  
 ELECTRICAL STROKE ----- .433±.020  
 OUTPUT SMOOTHNESS ----- 0.1% AGAINST INPUT VOLTAGE  
 POWER RATING ----- 0.2WATT  
 INSULATION RESISTANCE ----- 1000 MEGOHMS @ 500 VDC  
 DIELECTRIC STRENGTH ----- 500 VAC MIN.  
 FRICTION ----- 30 GRAMS

## MECHANICAL

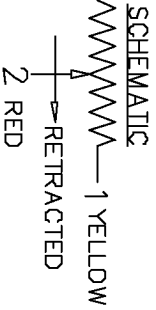
MECHANICAL STROKE ----- .472  
 STOP STRENGTH ----- APPROX. 2 POUNDS  
 LIFE EXPECTANCY ----- 20,000,000 STROKES  
 WEIGHT APPROX. ----- 0.2 OZS.  
 MARKINGS ----- ETI SYSTEMS  
 P/N LCP8-10  
 RESISTANCE -----  
 SPRING RETURN ----- RETRACTED, APPROX. 230GRAMS  
 FORCE WHEN APPLICABLE ----- EXTENDED, APPROX. 57GRAMS

## ENVIRONMENTAL

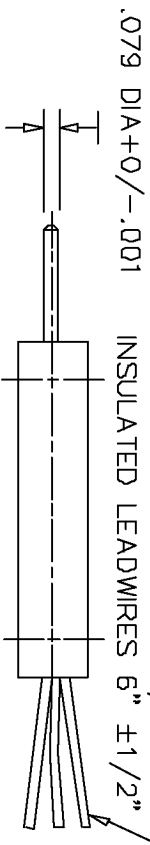
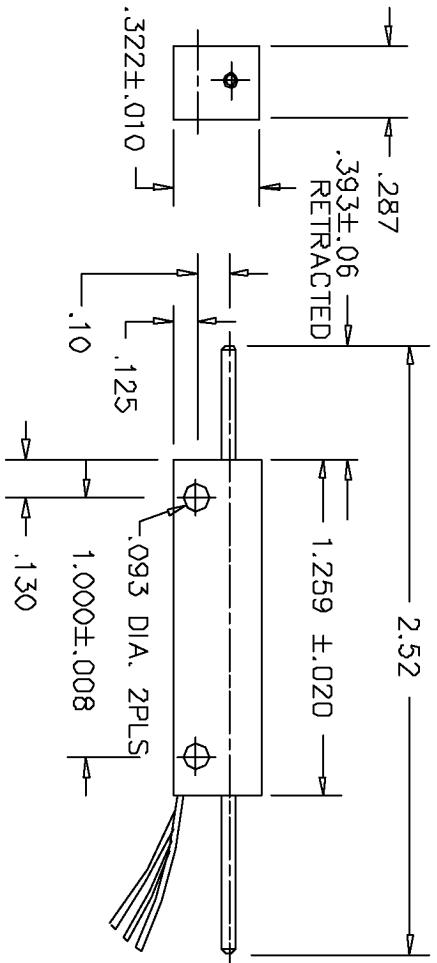
SHOCK ----- 50g, 11ms  
 VIBRATION ----- 10HZ TO 2000HZ 15G  
 OPERATING TEMPERATURE RANGE ----- -30° C TO +105° C  
 TEMPERATURE COEFFICIENT ----- ±400 PPM /°C

## OPTIONS

RESISTANCE TOLERANCE ----- ±10%  
 LINEARITY, PRECISION ----- ±1% GREEN 3  
 SPECIAL MACHINED SHAFT



|        |       |               |                           |
|--------|-------|---------------|---------------------------|
| REV. K | BY BT | DATE 11-25-98 | PART NO. LCP8-10          |
|        |       |               | ADDED SPRING RETURN FORCE |



## MODEL NO.'S.

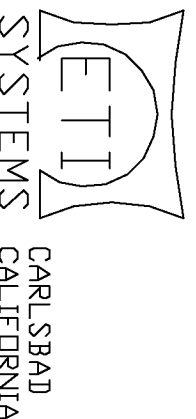
## SHAFT STYLES

|          |     |  |                             |
|----------|-----|--|-----------------------------|
| LCP8P-10 | (P) |  | PLAIN                       |
| LCP8T-10 | (T) |  | THREADED<br>2-56 UNC-2A     |
| LCP8C-10 | (C) |  | CHAMFERED                   |
| LCP8S-10 | (S) |  | SPRING RETURN<br>(INTERNAL) |

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## TITLE

LINEAR MOTION  
 POTENTIOMETER



## TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"  
 XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

|         |        |
|---------|--------|
| SCALE   | NONE   |
| DATE:   | 12--76 |
| BY      |        |
| APPR'VD | BT     |

CODE IDENT: 19477

PART NO.

LCP8-10