

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

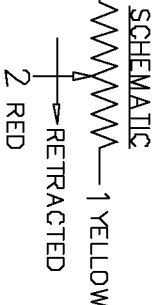
MECHANICAL STROKE-----.472  
STOP STRENGTH-----APPROX. 2 POUNDS  
LIFE EXPECTANCY-----20,000,000 STROKES  
WEIGHT APPROX.-----0.2 OZS.  
MARKINGS-----ETI SYSTEMS  
P/N LCP8-10  
RESISTANCE-----  
SPRING RETURN-----RETRACTED, APPROX. 230GRAMS  
FORCE WHEN APPLICABLE-----EXTENDED, APPROX. 57GRAMS

ENVIRONMENTAL

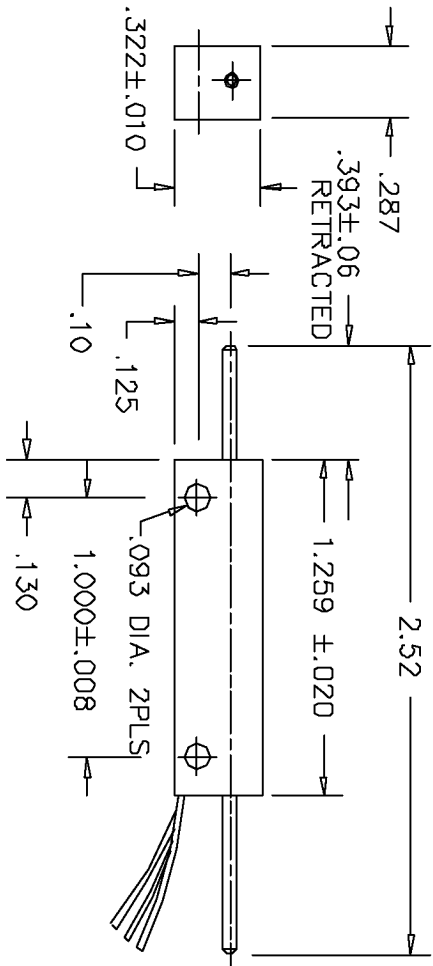
SHOCK-----50G, 11ms  
VIBRATION-----10HZ TO 2000HZ 15G  
OPERATING TEMPERATURE RANGE-----30° C TO +105° C  
TEMPERATURE COEFFICIENT-----±400 PPM /°C

OPTIONS

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

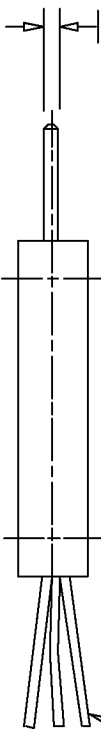


| REV. | BY | DATE     | PART NO. |
|------|----|----------|----------|
| K    | BT | 11-25-98 | LCP8-10  |



.079 DIA+0/-0.001

1/32 DIA.  
INSULATED LEADWIRES 6" ±1/2"

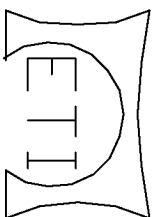


MODEL NO'S.

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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CARLSBAD  
SYSTEMS  
CALIFORNIA

TOLERANCES

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

SCALE NONE  
DATE: 12--76  
BY  
APPRV'D BT  
CODE IDENT: 19477

LINEAR MOTION  
POTENTIOMETER

PART NO.

LCP8-10

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.