

# SPECIFICATIONS

## ELECTRICAL

RESISTANCE RANGE (OHMS) ----- 1K, 2K, 5K, 10K, 20K, 50K  
 RESISTANCE TOLERANCE -----  $\pm 15\%$   
 LINEARITY, INDEPENDENT -----  $\pm 2.0\%$   
 RESOLUTION ----- ESSENTIALLY INFINITE  
 ELECTRICAL STROKE ----- .433 $\pm$ .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

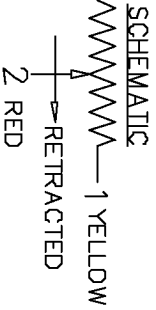
MECHANICAL STROKE ----- .472  
 STOP STRENGTH ----- APPROX. 2 POUNDS  
 LIFE EXPECTANCY ----- 20,000,000 STROKES  
 WEIGHT APPROX. ----- 0.2 OZS.  
 MARKINGS ----- ETI SYSTEMS  
 P/N LCP8-10  
 RESISTANCE -----  
 SPRING RETURN ----- RETRACTED, APPROX. 230GRAMS  
 FORCE WHEN APPLICABLE ----- EXTENDED,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

## ENVIRONMENTAL

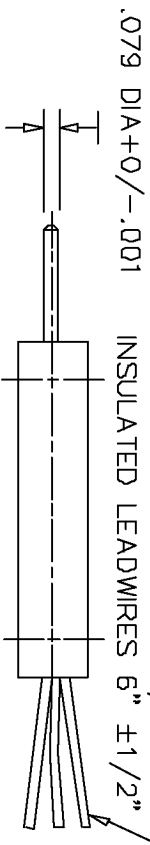
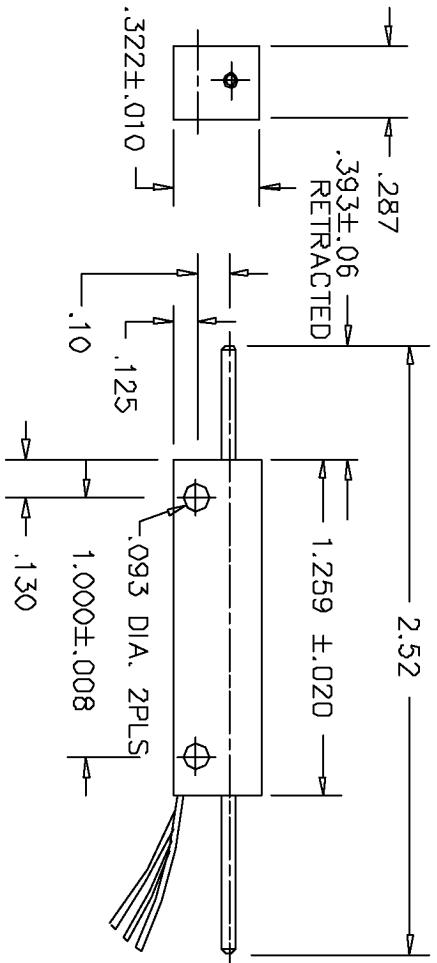
SHOCK ----- 50g, 11ms  
 VIBRATION ----- 10HZ TO 2000HZ 15G  
 OPERATING TEMPERATURE RANGE ----- -30° C TO +105° C  
 TEMPERATURE COEFFICIENT -----  $\pm 400$  PPM /°C

## OPTIONS

RESISTANCE TOLERANCE -----  $\pm 10\%$   
 LINEARITY, PRECISION ----- GREEN 3  
 SPECIAL MACHINED SHAFT



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



## MODEL NO.'S.

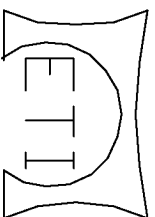
## SHAFT STYLES

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

THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.

## TITLE

LINEAR MOTION  
 POTENTIOMETER



CARLSBAD  
 SYSTEMS  
 CALIFORNIA

PART NO.

LCP8-10

## 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