

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE (OHMS) ----- 1K,2K,5K,10K,20K,50K
 RESISTANCE TOLERANCE ----- ±15%
 LINEARITY,INDEPENDENT ----- ±2.0%
 RESOLUTION ----- ESSENTIALLY INFINITE
 ELECTRICAL STROKE ----- .500±.02
 OUTPUT SMOOTHNESS ----- 0.1% AGAINST INPUT VOLTAGE
 POWER RATING ----- 0.1WATT
 INSULATION RESISTANCE ----- 1000 MEGOHMS @ 500 VDC
 DIELECTRIC STRENGTH ----- 500 VAC MIN.
 FRICTION ----- 30 GRAMS

MECHANICAL

MECHANICAL STROKE ----- .500±.040/-0
 STOP STRENGTH ----- APPROX. 2 POUNDS
 LIFE EXPECTANCY ----- 20,000,000 STROKES
 WEIGHT APPROX. ----- 0.2 OZS.

ENVIRONMENTAL

OPERATING TEMPERATURE RANGE ----- -30° C TO +105° C
 TEMPERATURE COEFFICIENT ----- ±400 PPM /°C
 VIBRATION ----- 10Hz TO 2,000Hz 15G
 MOISTURE RESISTANCE ----- 40°C 95%RH 120 HOURS
 SHOCK ----- 50G 11ms

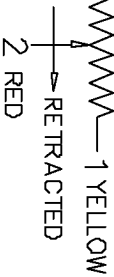
MATERIALS

HOUSING ----- THERMO-SETTING PLASTIC
 SHAFT ----- STAINLESS STEEL
 RESISTIVE ELEMENT ----- CONDUCTIVE PLASTIC

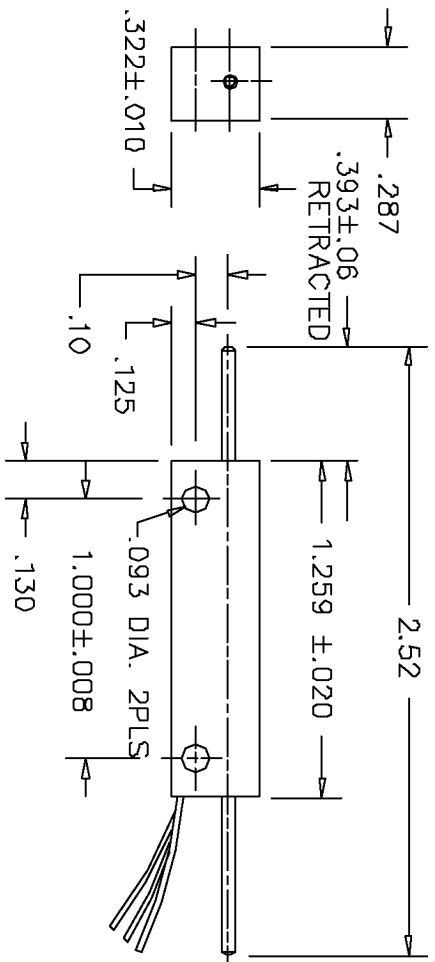
OPTIONS

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

SCHEMATIC



REV.	BY	DATE	PART NO.
C	PD	7-16 93	LCP8-12
			MECHANICAL STROKE WAS .500±.012/-0



.079 DIA+0/-0.001

INSULATED LEADWIRES 6" ±1/2"

MODEL NO.'S.

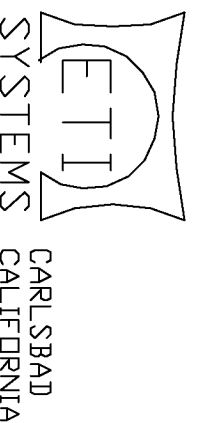
SHAFT STYLES

LCP8P-12	(P)		PLAIN
LCP8T-12	(T)		THREADED 2-56 UNC-2A
LCP8C-12	(C)		CHAMFERED
LCP8S-12	(S)		SPRING RETURN (INTERNAL)

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TITLE

LINEAR MOTION
POTENTIOMETER



PART NO.

LCP8-12

TOLERANCES

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

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	NONE
DATE:	10-1-88
BY	
APPRV'D	BT
CODE IDENT:	19477