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REV.	BY	DATE	APPRVL.	REV. NOTE:	P/N
M	BT	03/27/00		ADDED NOTE:	LCP12

**SPECIFICATIONS**

RESOLUTION ----- INFINITE  
 OUTPUT SMOOTHNESS ----- LESS THAN 0.1% INPUT VOLTAGE  
 CONTACT RESIST. VARIATION ----- LESS THAN 2%  
 DIELECTRIC STRENGTH ----- 500 VAC MIN.  
 INSULATION RESISTANCE ----- 1000 MEGOHMS AT 500 VDC MIN.  
 FRICTION ----- 1.8 oz. (3.6 oz FOR LCP12-100)  
 STOP STRENGTH ----- 20 OZ. MIN.,  
 RESISTANCE TEMPCO ----- ±400 PPM/°C  
 WEIGHT ----- 10 TO 35 GRAMS  
 LIFE EXPECTANCY ----- 20 MILLION STROKES

**MATERIALS**

BODY ----- ALUMINUM(BLACK ANODIZE)  
 LID ----- HIGH TEMP. PLASTIC  
 SHAFT ----- STAINLESS STEEL  
 TERMINALS ----- BRASS GOLD PLATED  
 RESISTANCE ELEMENT ----- CONDUCTIVE PLASTIC

**OPTIONS AVAILABLE**

SPECIAL ENDED SHAFTS  
 SPECIAL RESISTANCE VALUES  
 SPECIAL LINEARITY  
 NON STANDARD STROKES  
 SPRING RETURNS



MODEL NO.	LCP12-12	LCP12-25	LCP12-50	LCP12-76	LCP12-100
STD.RESIS. VALUES	500,1K,2K 5K,10K	500,1K,2K 5K,10K	500,1K,2K 5K,10K,20K	1K,2K,5K 10K,20K	1K,2K,5K 10K,20K
RESISTANCE TOL.	±20%	±20%	±20%	±20%	±20%
LINEARITY (IND.)	±1.5%	±1.0%	±0.7%	±0.5%	±0.5%
POWER RATING	0.2 WATT	0.4 WATT	0.7 WATT	1.2 WATT	1.2 WATT
STROKE MECH+1-.0	1/2"	1"	2"	3"	4"
STROKE ELECT ±.02	1.50	2.00	3.00	4.00	5.00
'A' DIM ±0.04	1.50	2.00	3.00	4.00	5.00
'B' DIM ±0.02	1.26	1.77	2.75	3.76	4.76

**MODEL NO'S.**

**SHAFT STYLES**

MODEL NO'S.	SHAFT STYLES
LCP12P-(STROKE)-(RES.)	(P) PLAIN
LCP12A - " "	(A) #4-40 THREAD
LCP12B - " "	(B) #5-40 THREAD
LCP12C - " "	(C) CHAMFERED 0.030" DIA. X 45°
LCP12S - " "	(S) SPRING RETURN

RETRACTED LENGTH OF SHAFT TO BE 1 1/4" FOR 3" & 4" STROKE SPRING RETURN.  
 NOTE: FOR SPRING RETURN WITH THREAD, SEE DWG. LCP12ST

**TOLERANCES**

XX = +/- .010" FRACT. = +/- 1/64"  
 XXX = +/- .005" ANGLES = +/- 1/2"  
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	DATE: 3-29-86
NONE	BY
CODE	APPRV'D
IDENT: 19477	BT



ETI SYSTEMS  
 CARLSBAD  
 CALIFORNIA

TITLE  
 LINEAR MOTION  
 POTENTIOMETER

**PART NO.**

LCP12