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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



.09 DIA MTG HOLE ,4 PLCS
 ACCEPTS #2-56 SIZE SCREW
 FURNISHED WITH NUT.

MODEL NO'S.

SHAFT STYLES

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
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
APP'VD	BT
CODE IDENT: 19477	



ETI SYSTEMS
 CARLSBAD
 CALIFORNIA

TITLE
 LINEAR MOTION
 POTENTIOMETER

PART NO.
 LCP12