

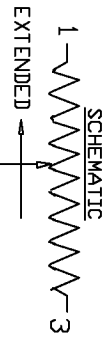
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REV.	BY	DATE	APPRVL.	P/N
				LCP18

**ELECTRICAL**  
 RESISTANCE RANGE --- SEE CHART  
 RESISTANCE TOLERANCE --- ±10%  
 LINEARITY, INDEPENDENT --- SEE TABLE  
 RESOLUTION --- ESSENTIALLY INFINITE  
 STROKE --- SEE TABLE  
 OUTPUT SMOOTHNESS --- <0.1% AGAINST INPUT VOLTAGE  
 POWER RATING @40°C --- SEE TABLE  
 INSULATION RESISTANCE --- 1000 MEGOHMS AT 500 VDC  
 DIELECTRIC STRENGTH --- 1 MIN @ 900VAC  
 CONTACT RESIS. VARIATION --- BELOW 2% C.R.V.

**MECHANICAL**  
 STROKE --- SEE TABLE  
 STOP STRENGTH --- 20 LBS MIN.  
 LIFE --- 20,000,000 STROKES  
 MARKING, ETI SYSTEMS  
 SCHEMATIC, DATE CODE, RESIST., LIN  
 NATIONAL ORIGIN

**ENVIRONMENTAL**  
 OPERATING TEMPERATURE RANGE --- 30°C TO 105°C  
 TEMPERATURE COEFFICIENT --- 400 PPM/°C  
 NON-STANDARD OPTIONS  
 SPECIAL RESIS. & LINEARITY  
 MACHINED SHAFTS  
 EXTRA TAPS  
 SPRING RETURN  
 7.874 (200MM) STROKE  
 SEALED HOUSING EXTEND LENGTH ~6MM  
 REAR SHAFT EXTENSION



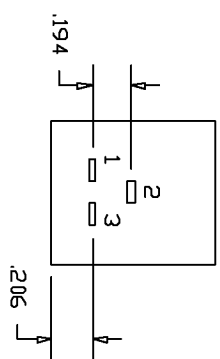
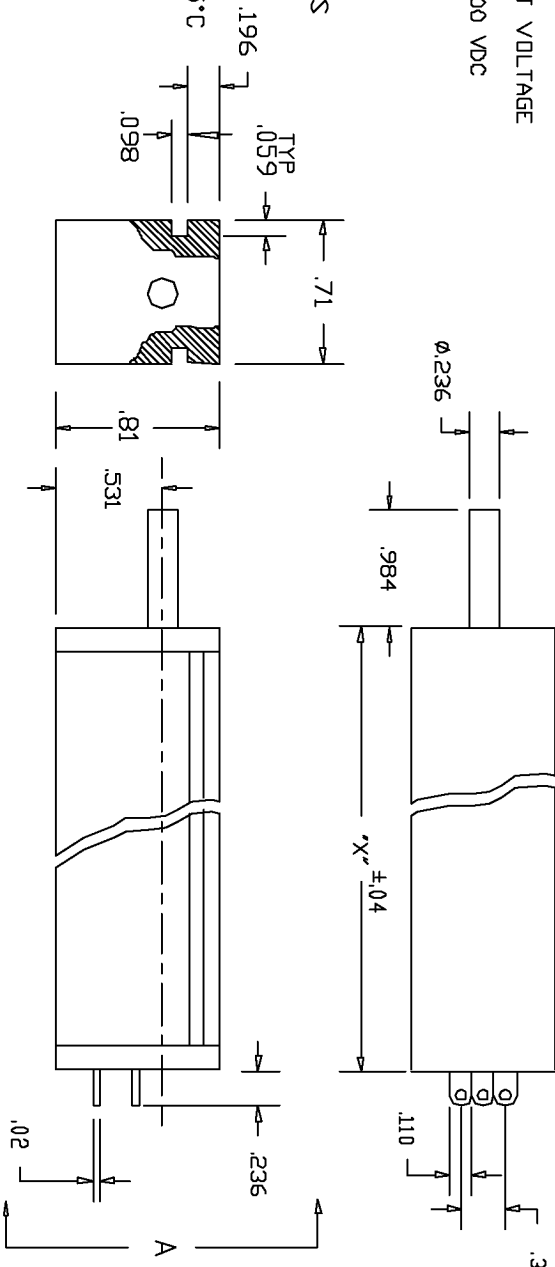
DIMENSION TABLE

DASH NO.	APPROX WEIGHT	MECHANICAL STROKE ±.080/-0	ELEC. STROKE ±.020	RESIS. RANGE	LINEARITY	% X' ±.04	POWER RATING
-15	2.5 OZ	.591	.591	500-10K	0.7%	1.968	.3 WATTS
-30	3.0 OZ	1.18	1.18	500-10K	0.7%	2.933	.6 WATTS
-50	4.2 OZ	1.968	1.968	500-20K	0.4%	3.917	.75 WATTS
-100	5.6 OZ	3.937	3.937	1K-20K	0.3%	5.886	1.25 WATTS
-150	8.8 OZ	5.906	5.906	1K-20K	0.3%	7.854	1.5 WATTS
-200	11.7 OZ	7.874	7.874	1K-20K	0.2%	10.480	2.0 WATTS

NOTE: ADD 'S' TO MODEL NUMBER FOR EXTERNAL SPRING RETURN. (LCP18S) SPRING WILL EXTEND SHAFT.  
 CONDUCTIVE PLASTIC ELEMENT

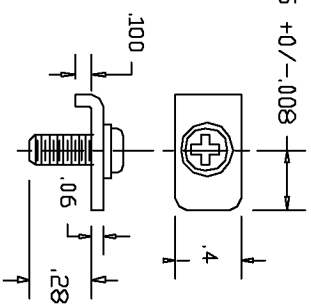
TOLERANCES

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



VIEW -A-

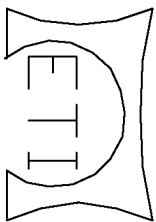
HOLDING CLEAT (4 EA.) FURNISHED WITH UNIT  
 .275 +0/- .008



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TITLE

LINEAR MOTION  
 POTENTIOMETER



CARLSBAD  
 SYSTEMS  
 CALIFORNIA

PART NO.

LCP18