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REV.	BY	DATE	APPRVL.	P/N
C	DMS	1-12-98	BT	LCP15 ADDED LCP15" T" CALLOUT.

ELECTRICAL

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

MECHANICAL

STROKE ----- SEE CHART
STOP STRENGTH ----- 2.2 LBS. MIN.
FRICTION ----- BELOW 30 GRAMS
LIFE ----- 20,000,000 STROKES

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

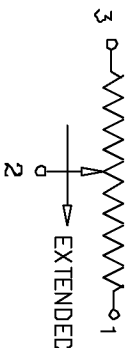
MATERIALS

HOUSING ----- THERMO-SETTING PLASTIC
SHAFT ----- STAINLESS STEEL
TERMINALS ----- GOLD PLATED
RESISTIVE ELEMENT ----- CONDUCTIVE PLASTIC

NON-STANDARD OPTIONS

SPECIAL RESIS. & LINEARITY ----- NOTE: TERMINALS ACCEPT AMP#110
MACHINED SHAFTS ----- CONNECTORS.
SPRING RETURN

SCHEMATIC



DIMENSION TABLE

DASH NO.	APPROX WEIGHT	MECHANICAL STROKE +.080-.000	ELEC. STROKE ±.020	RESIS. RANGE	LINEARITY STANDARD PRECISION	'Y'	'X'	POWER RATING
-10	1 OZ.	.394	.394	500/10K	± 2% ± 1%	1.46	.787	0.2 WATTS
-15	1 OZ.	.590	.590	500/10K	± 1% ± 0.5%	1.46	.787	0.3 WATTS
-20	1 OZ.	.787	.787	500/10K	1% 0.5%	2.05	1.378	0.4 WATTS
-30	1 OZ.	1.181	1.181	500/10K	1% 0.5%	2.05	1.378	0.5 WATTS

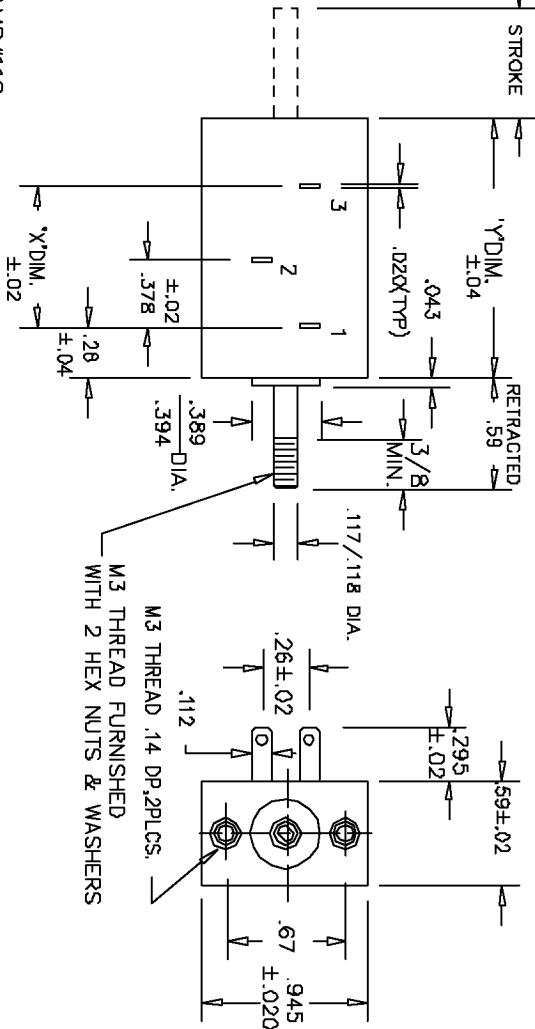
TOLERANCES

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

MODEL NO.'S.

SHAFT STYLES

LCP15B-(STROKE)-(RES.)	(P)	PLAIN
LCP15C-	"	CHAMFERED
LCP15S-	"	SPRING RETURN (INTERNAL)
LCP15T-	"	THREADED



FTI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
LINEAR MOTION
POTENTIOMETER

PART NO.

LCP15