

ELECTRICAL

RESISTANCE RANGE ----- SEE CHART
 RESISTANCE TOLERANCE ----- $\pm 5\%$
 LINEARITY (INDEPENDENT) ----- SEE TABLE
 END RESISTANCE ----- 1 OHM OR 1%
 ELECTRICAL NOISE (ENR) ----- 100 OHM MAX.
 RESOLUTION ----- SEE CHART
 INSULATION RESISTANCE ----- 100 MOHMS MIN. AT 500 VDC
 DIELECTRIC STRENGTH ----- 500 VAC
 POWER RATING ----- SEE TABLE

MECHANICAL

STOP STRENGTH ----- 20 LBS.
 WEIGHT ----- SEE TABLE

ENVIRONMENTAL

OPERATING TEMPERATURE ----- -30 TO +60°C
 TEMPERATURE COEFFICIENT ----- SEE CHART
 VIBRATION ----- 10HZ TO 2000HZ 10G
 SHOCK ----- 30G 11MS
 MOISTURE RESISTANCE ----- 40°C 95%RH 2000 HOURS

MATERIALS

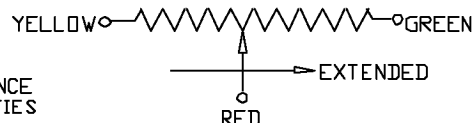
HOUSING ----- ANODIZED ALUMINUM
 SHAFT ----- STAINLESS STEEL
 BUSHING ----- ANODIZED ALUMINUM
 RESISTANCE ELEMENT ----- WIREWOUND

OPTIONAL FEATURES

SHAFT MODIFICATIONS
 SPECIAL STROKES

SPECIAL RESISTANCE
 SPECIAL LINEARITIES

SCHEMATIC



RESOLUTION CHART %

RESISTANCE DASH NO.	15	20	50	100	200	500	1K	2K	5K	10K	20K	40K
-30	.72	.59	.42	.46	.36	.27	.22	.17	.12	.10		
-50			.29	.24	.26	.19	.16	.12	.09	.07	.06	
-100			.19	.14	.12	.12	.10	.08	.06	.04	.04	.03
TEMPERATURE COEFFICIENT	80 PPM/°C					20 PPM/°C						

NOTES:

SCALE: NONE

DATE: 4-8-75

BY:

APR V'D BT

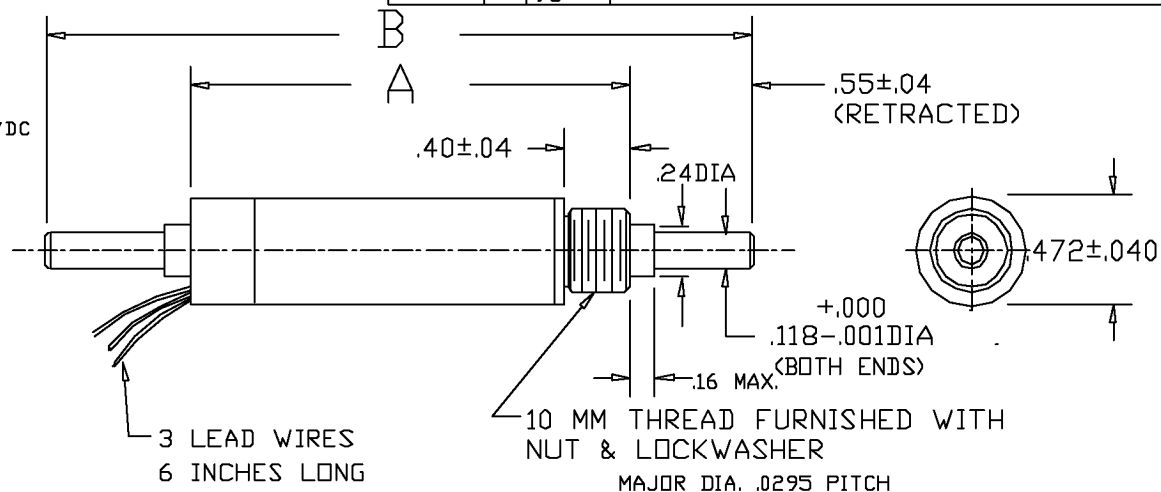
CODE IDENT:
19477

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TITLE OIL FILLED
 LINEAR MOTION
 POTENTIOMETER

REV.	BY	DATE	PART NO.
C	DM	8-28 96	L010

ADDED SHAFT STYLES



MODEL NO'S.

L010-(STROKE)-(RES.)

SHAFT STYLES

(P) PLAIN

L010 T " "

(T) 3/8 #4-40 THREAD

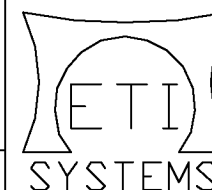
DIMENSION TABLE

DASH NO.	MECHANICAL STROKE ±.060	ELECTRICAL STROKE ±.040	LINEARITY INDEPENDENT	A ±.040	B ±.040	APPROX. WEIGHT	POWER RATING
-30	1.260	1.181	± 1.0%	3.346	5.708	1.4 OZ.	0.5 W
-50	2.047	1.968	± 0.7%	4.134	7.283	1.8 OZ.	0.75 W
-100	4.015	3.937	± 0.5%	6.102	11.220	2.1 OZ.	1 W

TOLERANCES

XX = .010 FRACTIONS = ?/64
 XXX = ±.005 ANGLES = ±1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

CARLSBAD
CALIFORNIA

PART NO.

L010