

ELECTRICAL

RESISTANCE RANGE ----- SEE CHART
RESISTANCE TOLER. ----- $\pm 5\%$
NOISE ----- 100 OHM MAX
INSULATION RESISTANCE ----- 100 MEGOHMS AT 500 VDC
DIELECTRIC STRENGTH ----- 900VDC MIN
END RESISTANCE ----- 1 OHM OR 0.1% OF TOTAL

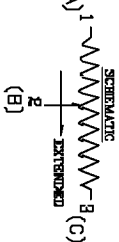
MECHANICAL

STOP STRENGTH ----- 10 LBS. MIN
FRICTION ----- 52.91 OZ. MAX
LIFE ----- 2,000,000 STROKES MIN.
MARKING: ETI SYSTEMS
SCHEMATIC, DATE CODE, RESIS. LIN.
NATIONAL ORIGIN

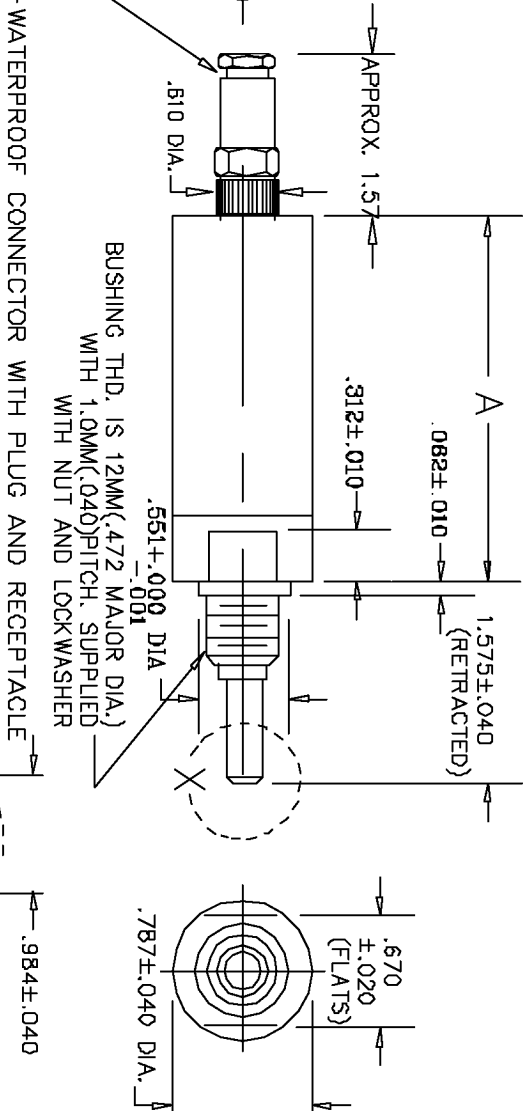
ENVIRONMENTAL

OPERATING TEMPERATURE ----- -20°C TO +60°C
NON-STANDARD OPTIONS

RESIST. TOL. $\pm 3\%$
MACHINED SHAFTS
EXTRA TAP
HYBRID ELEMENT
CONDUCTIVE PLASTIC ELEMENT
SPECIAL LINEARITY



(A)(B)(C) REPRESENT TERMINAL
CODES OF THE CONNECTOR



RESOLUTION CHART

RESISTANCE	POWER RATING	10	25	50	100	200	500	1K	2K	5K	10K	20K	50K
DASH NO.													
LO20C-15	0.5W	1.3%	1.2%	87%	90%	72%	63%	44%	39%	29%			
LO20C-50	0.75W		42%	34%	26%	21%	21%	17%	14%	10%	8%		
LO20C-100	1.0W			21%	16%	13%	14%	11%	8%	6%	5%	4%	
LO20C-200	2.0W				10%	8%	8%	7%	5%	4%	3%	2%	1%
TEMPERATURE COEFFICIENT		± 80 PPM/°C					± 20 PPM/°C						

WEIGHT	DASH NO.	MECHANICAL STROKE $\pm .06$	ELECTRICAL STROKE $\pm .04$	RESISTANCE RANGE = OHMS	LINEARITY	±.040
.3LB.	-15	.630	.590	10 - 5K	$\pm 1.0\%$	3.94
.3LB.	-50	2.087	1.968	25 TO 20K	$\pm 0.7\%$	5.315
.35LB.	-100	4.055	3.937	50 TO 20K	$\pm 0.5\%$	7.283
.70LB.	-200	7.992	7.874	100 TO 80K	$\pm 0.5\%$	11.220

WIREWOUND
RESISTANCE ELEMENT

TOLERANCES

XX = $\pm .010^\circ$ FRACT. = $\pm 1/8^\circ$
XXX = $\pm .005^\circ$ ANGLES = $\pm 1/2^\circ$

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

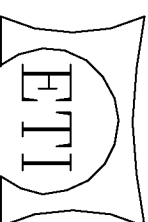
REV.	BY	DATE	PART NO.
C	BT	2-25-99	LO20C

ADDED THREADED OPTION

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TITLE

OIL FILLED
LINEAR MOTION
POTENTIOMETER



CARLSBAD
SYSTEMS
CALIFORNIA

PART NO.

LO20C