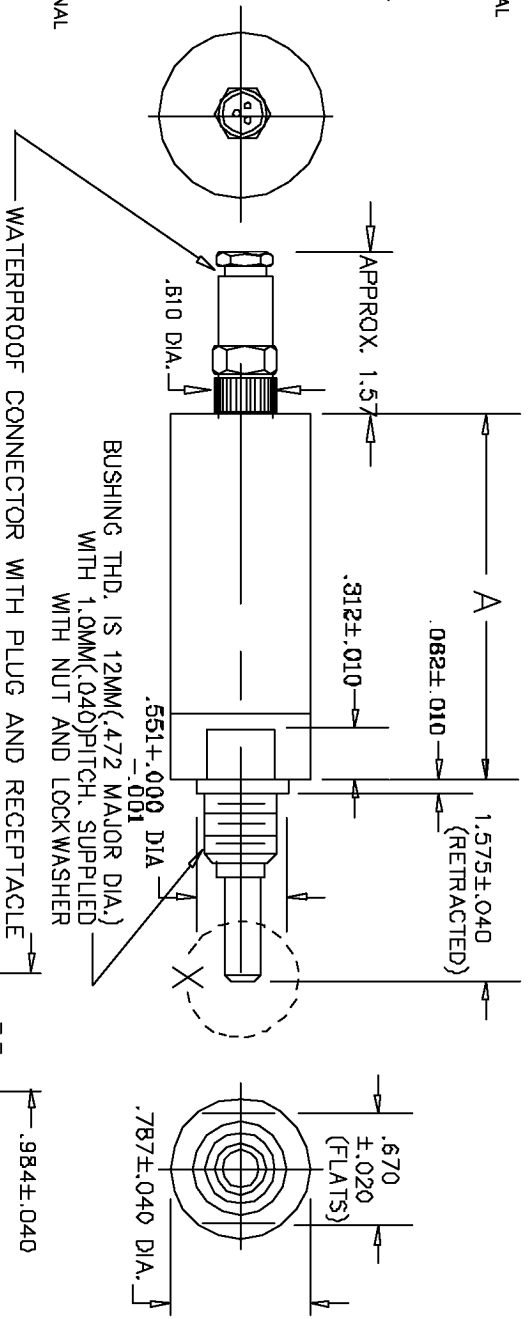


**ELECTRICAL**  
 RESISTANCE RANGE ----- SEE CHART  
 RESISTANCE TOLER. ----- ±5%  
 NOISE ----- 100 OHM MAX  
 INSULATION RESISTANCE ----- 100 MEGOHMS AT 500 VDC  
 DIELECTRIC STRENGTH ----- 900VDC MIN  
 END RESISTANCE ----- 1 OHM OR 0.1% OF TOTAL

**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 ±3%  
 MACHINED SHAFTS  
 EXTRA TAP  
 HYBRID ELEMENT  
 CONDUCTIVE PLASTIC ELEMENT  
 SPECIAL LINEARITY

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



**RESOLUTION CHART**

RESISTANCE DASH NO.	POWER RATING	10	25	50	100	200	500	1K	2K	5K	10K	20K	50K
LO20C-15	0.5W	1.3%	1.2%	0.87%	0.90%	0.72%	0.53%	0.44%	0.39%	0.29%			
LO20C-50	0.75W		0.42%	0.34%	0.26%	0.21%	0.21%	0.17%	0.14%	0.10%	0.08%		
LO20C-100	1.0W			0.21%	0.16%	0.13%	0.14%	0.11%	0.08%	0.06%	0.05%	0.04%	
LO20C-200	2.0W				0.10%	0.08%	0.06%	0.07%	0.05%	0.04%	0.03%	0.025	0.018

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

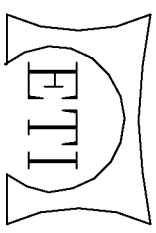
**WIREWOUND RESISTANCE ELEMENT**

**TOLERANCES**

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

SCALE NONE  
 DATE: 2-2-96  
 BY DM  
 APPROVD

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CARLSBAD SYSTEMS CALIFORNIA

OIL FILLED  
 LINEAR MOTION  
 POTENTIOMETER

PART NO. LO20C