

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 \_\_\_\_\_ 21 OZ. MAX  
 LIFE \_\_\_\_\_ 2,000,000 STROKES MIN.

ENVIRONMENTAL

OPERATING TEMPERATURE \_\_\_\_\_ -20°C TO +60°C

NON-STANDARD OPTIONS

RESIS.TOL ±3%  
 MACHINED SHAFTS  
 EXTRA TAP  
 HYBRID ELEMENT  
 CONDUCTIVE PLASTIC ELEMENT  
 SPECIAL LINEARITY

MODEL NO.'S.

SHAFT STYLES

LO20-(STROKE)-(RES.) [ PLAIN  
 LO20P " " [ 3/8  
 LO20T " " [ #10-32 THREAD

RESOLUTION CHART

RESISTANCE DASH NO.	POWER RATING	10	25	50	100	200	500	1K	2K	5K	10K	20K	50K
LO20-15	0.5W	1.3%	1.2%	.87%	.90%	.72%	.63%	.44%	.39%	.29%			
LO20-50	0.75W		.42%	.34%	.26%	.21%	.21%	.17%	.14%	.10%	.08%		
LO20-100	1.0W			.21%	.16%	.13%	.14%	.11%	.08%	.06%	.05%	.04%	
LO20-200	2.0W				.10%	.08%	.06%	.07%	.05%	.04%	.03%	.025	.018
TEMPERATURE COEFFICIENT		±80 PPM/°C					±20 PPM/°C						

WIREWOUND RESISTANCE ELEMENT

TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"  
 XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

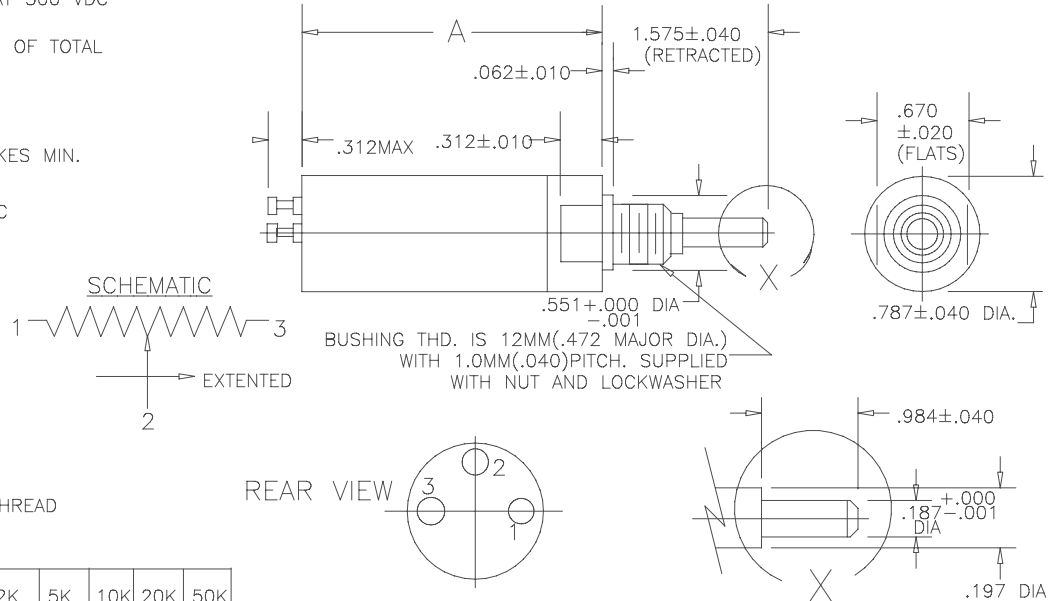
SCALE NONE  
 DATE: 5-13-86  
 BY  
 APPRV'D BT  
 CODE IDENT: 19477

THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.

TITLE  
 OIL FILLED LINEAR MOTION POTENTIOMETER

ETI SYSTEMS CARLSBAD CALIFORNIA  
 PART NO. LO20

REV.	BY	DATE	PART NO.
H	BT	10-20-99	LO20 ADDED LO20P



REAR VIEW