

ELECTRICAL CHARACTERISTICS.

RESISTANCE ELEMENT - - - - - WIREWOUND  
 RESISTANCE RANGE(OHM) - - - - - 50,100,200,500,1K,2K,5K,10K,20K OHMS  
 RESISTANCE TOLERANCE - - - - - ±10%  
 BEST POSSIBLE RESISTANCE TOLERANCE - - - ±5%  
 LINEARITY INDEPENDENT - - - - - ±1%  
 BEST POSSIBLE LINEARITY INDEPENDENT - - - ±0.5%  
 ELECTRICAL ANGLE EUP3100 - - - - - 270°±5° WITH END STOPS  
 ELECTRICAL ANGLE EUP3125 - - - - - 350°±3°  
 TEMPERATURE COEFFICIENT - - - - - ±400 PPM/°C  
 POWER RATING (+70°C) - - - - - 3WATT  
 INSULATION RESISTANCE - - - - - 1000MEGOHMS @ 500VDC MIN.  
 DIELECTRIC STRENGTH - - - - - 1000 VAC

REV.	BY	DATE	PART NO.
			EUP3100/3125

MECHANICAL CHARACTERISTICS.

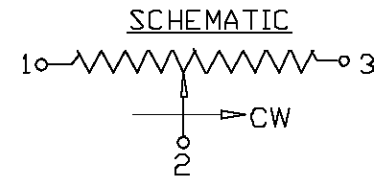
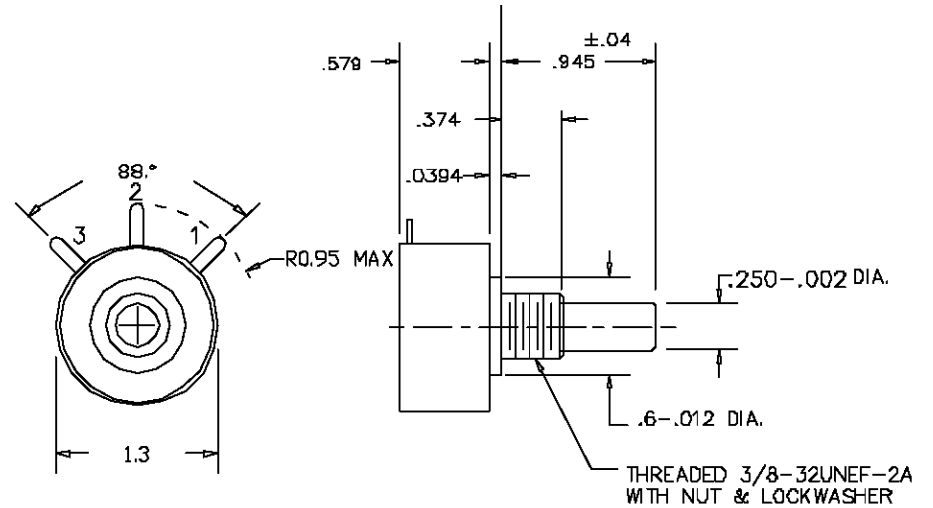
ROTATION EUP3100 - - - - - 280°±5 WITH END STOPS  
 STOP STRENGTH (EUP3100) - - - - - 50 OZ-IN  
 ROTATION EUP3125 - - - - - 360° CONTINUOUS  
 BEARING TYPE - - - - - SLEEVE  
 TORQUE STARTING - - - - - 1.0 OZ.IN.  
 TORQUE RUNNING - - - - - 0.7 OZ. IN.

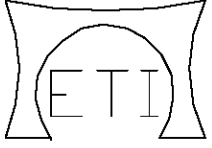
ENVIRONMENTAL CHARACTERISTICS.

ROTATIONAL LIFE - - - - - 200,000 TURNS MIN.  
 OPERATING TEMPERATURE - - - - - -35°C TO +105°C

MATERIALS

HOUSING - - - - - THERMOSET  
 SHAFT - - - - - STAINLESS STEEL  
 TERMINALS - - - - - BRASS, GOLD PLATED  
 MOUNTING HARDWARE - - - - - LOCKWASHER,NUT-BRASS,NICKLE-PLATED  
 BUSHINGS - - - - - BRASS



CONDUCTIVE PLASTIC ELEMENT	SCALE	NONE	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.	 CARLSBAD CALIFORNIA
	DATE:	5-21-03		
<u>TOLERANCES</u> XX = +/- .010" FRACT. = +/- 1/64" XXX = +/- .005" ANGLES = +/- 1/2" ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.	BY	AT	TITLE SINGLE TURN POTENTIOMETER	PART NO. EUP3100/3125
	APPRV'D			
	CODE IDENT: 19477			