

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.

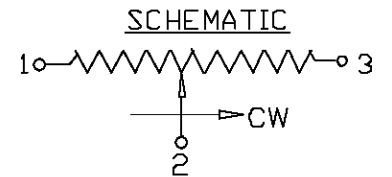
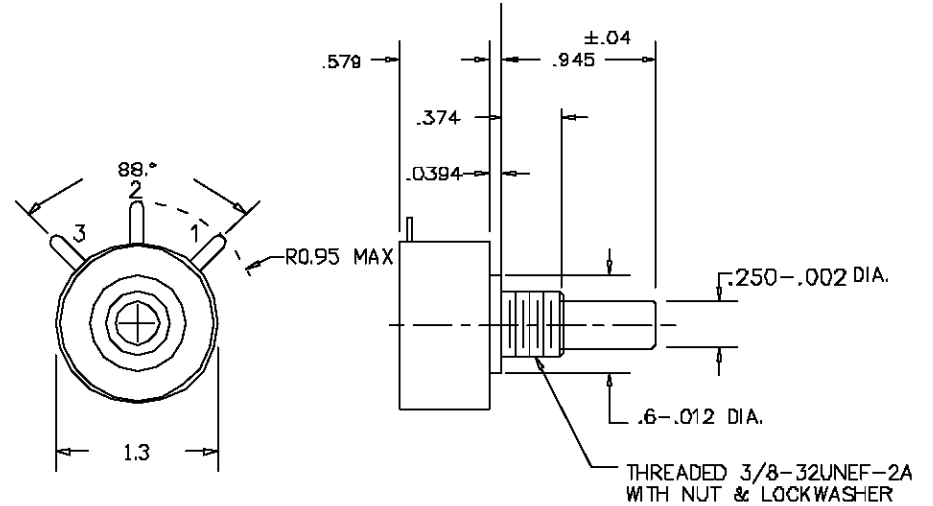
ROTATION EUP3100 - - - - - 280°±5 WITH END STOPS  
 STOP STRENGTH (EUP3100) - - - - - 50 OZ-IN  
 ROTATION EUP3125 - - - - - 360° CONTINUOUS  
 BEARING TYPE - - - - - SLEEVE  
 TORQUE STARTING - - - - - 1.0 OZ.IN.  
 TORQUE RUNNING - - - - - 0.7 OZ. IN.

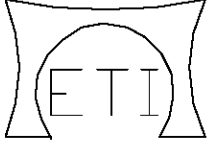
ENVIRONMENTAL CHARACTERISTICS.

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              |  |   |
|   | BY      | AT                   |  |   |
|   | APPRV'D |                      | TITLE  |   |
| <p><u>TOLERANCES</u></p> XX = +/- .010" FRACT. = +/- 1/64"<br>XXX = +/- .005" ANGLES = +/- 1/2°<br>ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. |         | CODE IDENT:<br>19477 | SINGLE TURN<br>POTENTIOMETER   | PART NO.<br>EUP3100/3125  |