

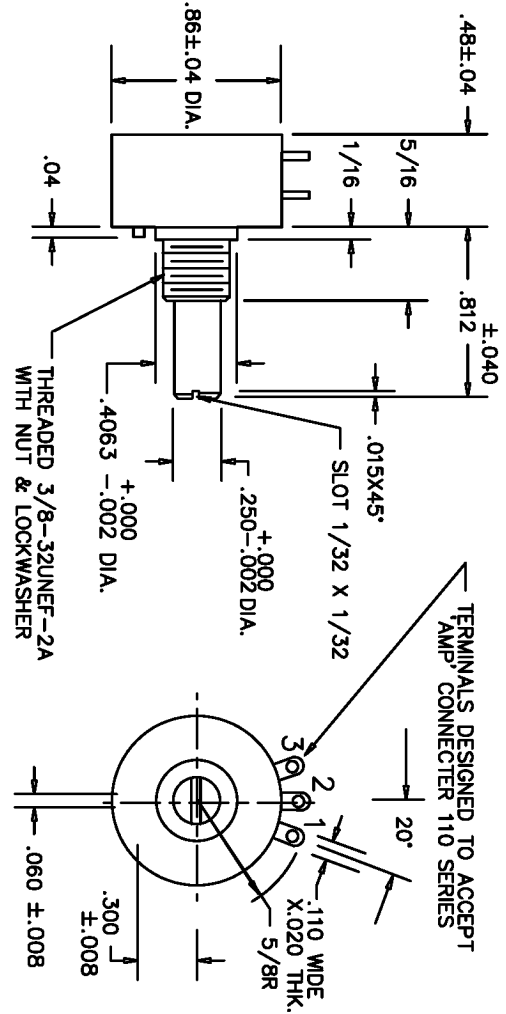
THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.

REV.	BY	DATE	APPRVL.	P/N
E	DM	7/25/96	BT	SW22E

ADDED 20K SPECS TO VALUES CHART

**SPECIFICATIONS**

- RESISTANCE RANGE ----- 50 OHMS TO 20K OHMS
- RESISTANCE TOLERANCE ----- ±3%
- INDEPENDENT, LINEARITY ----- ±0.5%
- POWER RATING ----- 0.5 WATTS
- ELECTRICAL NOISE ----- 100 OHM MAX.
- ELECTRICAL ANGLE ----- 320±5°
- MECHANICAL ANGLE ----- 320±5°
- STOP STRENGTH ----- 84 OZ.IN.MIN.
- END RESISTANCE ----- 2% OR 1 OHM MAXIMUM
- RESOLUTION ----- SEE CHART
- INSULATION RESISTANCE ----- 1000 MEGOHMS AT 1000 VDC MIN.
- DIELECTRIC STRENGTH ----- 1000 VAC
- STARTING TORQUE ----- 0.8 OZ.IN.MAX.
- TEMPERATURE COEFFICIENT ----- SEE CHART
- WEIGHT ----- APPROX. 0.7 OZ.
- OPERATING TEMPERATURE ----- -55°C TO +105°C
- ROTATIONAL LIFE ----- 500,000 SHAFT REVOLUTIONS



- MATERIALS**
- HOUSING----- HIGH TEMP. THERMO PLASTIC
  - TERMINALS----- GOLD PLATED BRASS
  - BUSHING----- BRASS
  - SHAFT ----- STAINLESS STEEL
  - RESISTIVE ELEMENT----- WIREWOUND

**NON-STANDARDS AVAILABLE**

- MULTI-RANGED UP TO 6 SECTIONS
- REAR SHAFT EXTENSION
- FRONT SHAFT MODIFICATIONS
- CENTER TAP
- SPECIAL ELECTRICAL AND MECHANICAL ANGLES

**STANDARD RESISTANCE VALUES CHART**

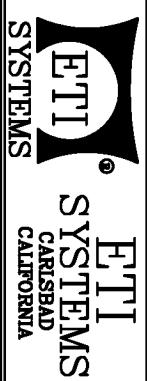
RESISTANCE (OHMS)	50	100	200	500	1K	2K	5K	10K	20K
RESOLUTION	.33	.27	.21	.22	.17	.13	.10	.08	.06
TEMPERATURE COEFFICIENT PPM/°C	80	80	80	20	20	20	20	20	20

**TOLERANCES**

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

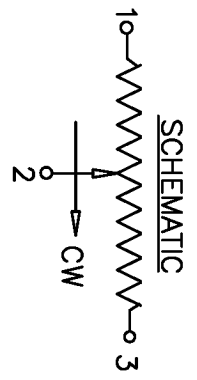
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	DATE:	8/4/86
NONE	BY	BT
CODE	APPRV'D	BT
IDENT:	19477	



**TITLE**  
 SINGLE TURN  
 POTENTIOMETER

**PART NO.**  
 SW22E



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ETI Systems:](#)

[SW22E-100](#) [SW22E-10K](#) [SW22E-1K](#) [SW22E-2K](#) [SW22E-5K](#)