

ELECTRICAL SPECIFICATIONS

RESISTANCE RANGE -----
 RESISTANCE TOLERANCE ----- ±3%
 LINEARITY(INDEPENDENT) ----- ±0.5%
 ELECTRICAL ANGLE ----- 330±2°
 END RESISTANCE ----- 0.2% MAX.
 RESOLUTION ----- SEE CHART
 INSULATION RESISTANCE ----- 1000MEG OHMS @1000 VDC
 DIELECTRIC STRENGTH ----- 1000 VAC
 POWER RATING ----- 0.5WATTS
 ELECTRICAL NOISE ----- 100 OHM MAX.

MECHANICAL

NO OF TURNS ----- 1
 MECHANICAL ROTATION ----- 330+10°-0°
 SHAFT END PLAY ----- .005 IN. T.I.R. MAX.
 ROTATIONAL LIFE ----- 1,000,000 TURNS
 STOP STRENGTH ----- N/A
 TORQUE ----- 0.21 OZ.IN
 WEIGHT ----- ~0.53OZ.

ENVIRONMENTAL

OPERATING TEMPERATURE ----- -55°C TO +105°C
 TEMPERATURE COEFFICIENT ----- SEE CHART
 VIBRATION ----- 10HZ TO 2000HZ 15G
 SHOCK ----- 50G
 MOISTURE RESISTANCE ----- 40°C 95%RH 240 HOURS

MATERIALS

HOUSING ----- ANODIZED ALUMINUM
 SHAFT ----- STAINLESS STEEL
 TERMINALS ----- GOLD PLATED BRASS
 BEARINGS ----- SLEEVE

OPTIONAL FEATURES

SHAFT MODIFICATIONS
 REAR SHAFT
 CENTER TAP
 O'RING SHAFT SEAL
 SPECIAL ANGLES

NOTES:

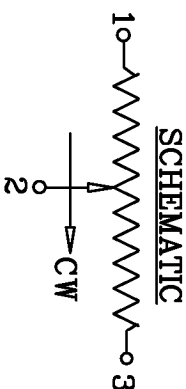
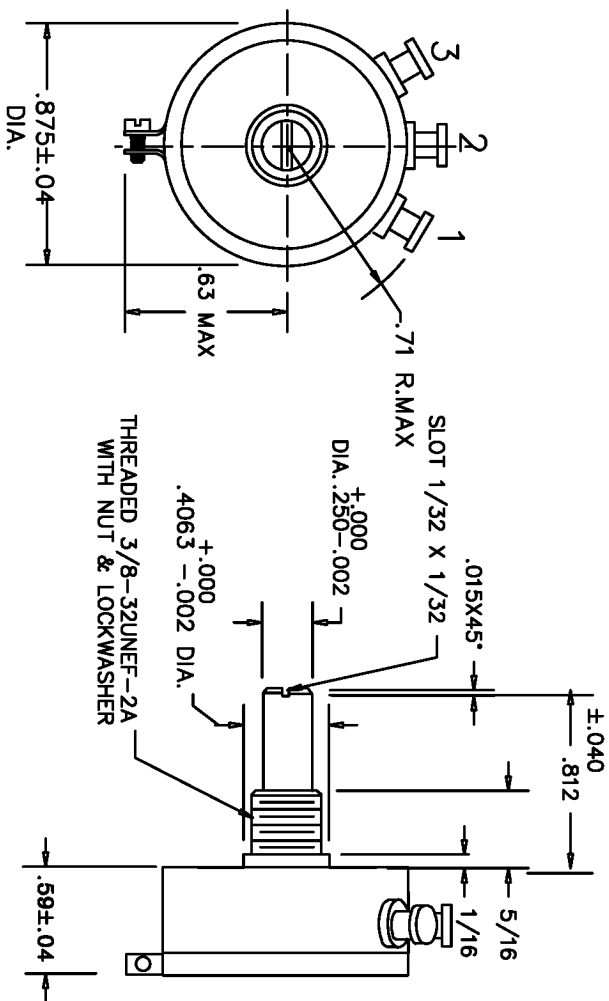
WIREWOUND RESISTANCE ELEMENT

RESOLUTION & TEMPERATURE COEFFICIENT CHART

RESISTANCE VALUE	50	100	200	500	1K	2K	5K	10K	20K
RESOLUTION %	.30	.27	.21	.22	.17	.14	.10	.08	.06
TEMPCO PPM/°C	80	80	80	20	20	20	20	20	20

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REV.	BY	DATE	P/N
B	BT	11-6-95	SW22B



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

SCALE	DATE:
NONE	6-7-89
BY	
APPRVD	
BT	
CODE IDENT:	19477



ETI SYSTEMS
 CARLSBAD
 CALIFORNIA

TITLE
 SINGLE TURN
 POTENTIOMETER

PART NO.
 SW22B