

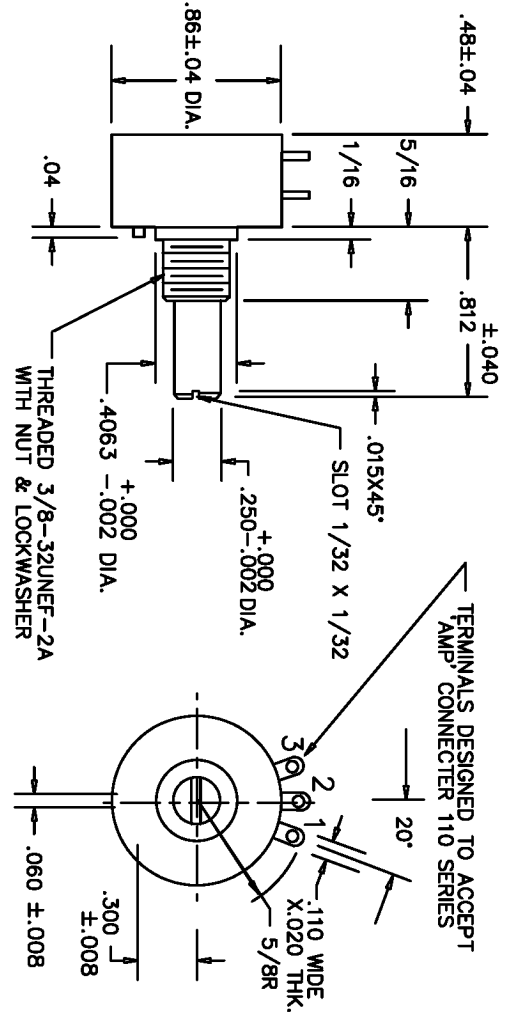
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REV.	BY	DATE	APPRVL.	P/N
E	DM	7/25/96	BT	SW22E

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**

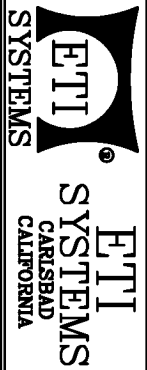
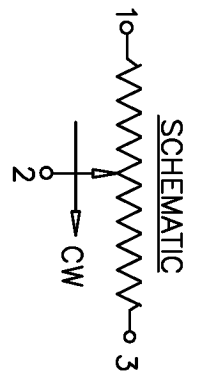
MULTI-RANGED UP TO 6 SECTIONS  
 REAR SHAFT EXTENSION  
 FRONT SHAFT MODIFICATIONS  
 CENTER TAP  
 SPECIAL ELECTRICAL AND MECHANICAL ANGLES

**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
APPRV/D	BT
CODE IDENT: 19477	



**TITLE**  
 SINGLE TURN  
 POTENTIOMETER

**PART NO.**  
 SW22E