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

MULT-GANGED 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
APPR'D	BT
CODE IDENT: 19477	



ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
SINGLE TURN
POTENTIOMETER

PART NO.

SW22E

