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REV.	BY	DATE	APPRVL.	P/N
E	BT	9/23/96	BT	SP22E

SPECIFICATIONS

ELECTRICAL

RESISTANCE VALUES	500, 1K, 2K, 5K, 10K, 20K, 50K, 100K
RESISTANCE TOLERANCE	±10%
LINEARITY(INDEPENDENT)	±1%
ELECTRICAL ANGLE	320°±5°
END RESISTANCE	0.2% MAX.
RESOLUTION	ESSENTIALLY INFINITE
INSULATION RESISTANCE	1000MEG OHMS @ 500 VDC
DIELECTRIC STRENGTH	500 VAC
POWER RATING	1 WATT
CONTACT RESIS. VARIATION	BELOW 2% C.R.V.
OUTPUT SMOOTHNESS	LESS THAN 0.1%

MECHANICAL

NO. OF TURNS	1
MECHANICAL ROTATION	320±5°
ROTATIONAL LIFE	10,000,000 TURNS
STOP STRENGTH	84 OZ.IN.MIN.
TORQUE	BELOW 0.8 OZ.IN.
WEIGHT	APPROX 0.7 OZ.

ENVIRONMENTAL

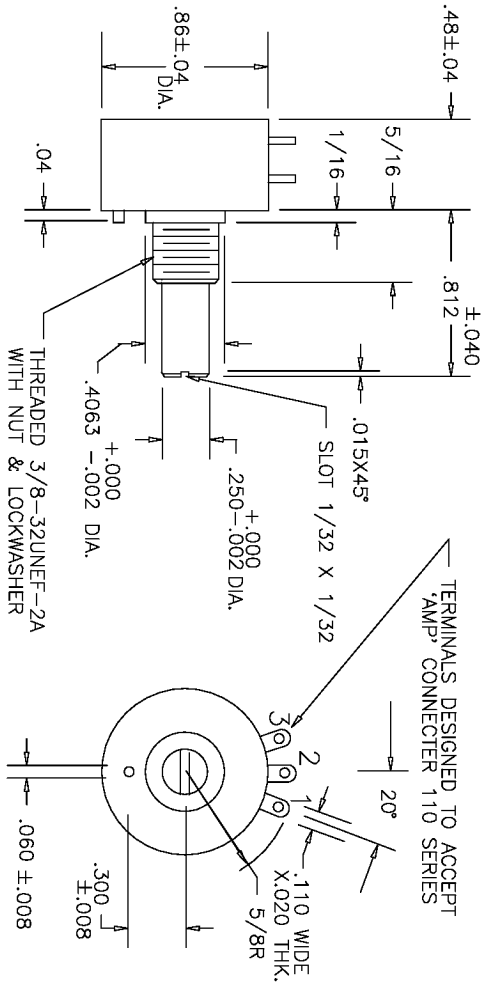
OPERATING TEMPERATURE	-55°C TO +105°C
TEMPERATURE COEFFICIENT	±400 PPM/°C
VIBRATION	10HZ TO 2000HZ 15G
SHOCK	50G 11ms
MOISTURE RESISTANCE	40°C 95%RH 120 HOURS

MATERIALS

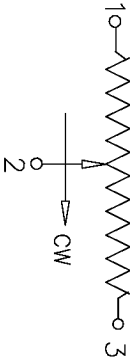
HOUSING-----	HIGH TEMP. THERMO PLASTIC
TERMINALS-----	GOLD PLATED BRASS
BUSHING-----	BRASS
SHAFT-----	STAINLESS STEEL
ELEMENT-----	CONDUCTIVE PLASTIC

OPTIONAL FEATURES

SHAFT MODIFICATIONS
REAR SHAFT
CENTER TAP
MULTI-GANGED UP TO 6 SECTIONS
O'RING SHAFT SEAL
SPECIAL ANGLES



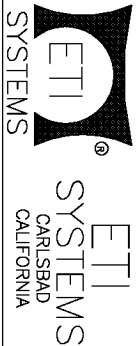
SCHEMATIC



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
APPRVD	BT
CODE IDENT: 19477	



TITLE
SINGLE TURN
POTENTIOMETER

PART NO.
SP22E