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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

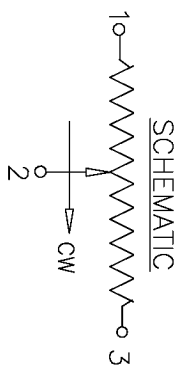
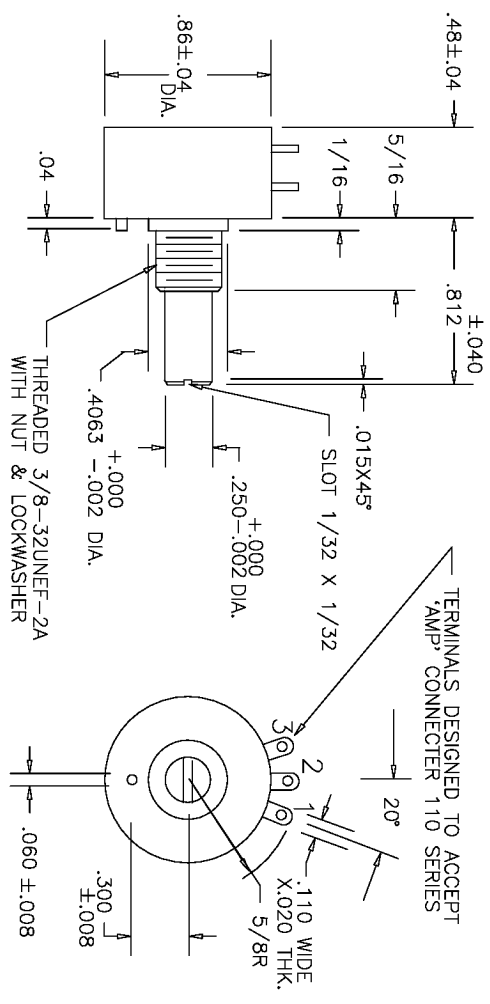
MATERIALS

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

OPTIONAL FEATURES

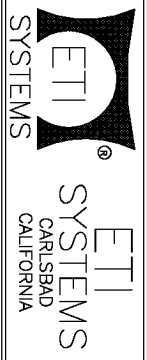
SHAFT MODIFICATIONS
 REAR SHAFT
 CENTER TAP
 MULTI-GANGED UP TO 6 SECTIONS
 O'RING SHAFT SEAL
 SPECIAL ANGLES

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



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

SCALE	DATE:
NONE	8-4-86
APPRV'D	BY
BT	



TITLE
 SINGLE TURN
 POTENTIOMETER

PART NO.
 SP22E

X-ON Electronics

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