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REV.	BY	DATE	APPRVL.	P/N
C	DWS	4/17/98		SP12B

CONTACT RESIS. VARIATION WAS 2%./ ROTATIONAL LIFE WAS 10 MILLION.

SPECIFICATIONS

ELECTRICAL

RESISTANCE VALUES _____ 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K
 RESISTANCE TOLERANCE _____ ±15%
 LINEARITY (INDEPENDENT) _____ ±2%
 ELECTRICAL ANGLE _____ 300°±5°
 END RESISTANCE _____ 0.2% MAX.
 RESOLUTION _____ ESSENTIALLY INFINITE
 INSULATION RESISTANCE _____ 1000 MEGOHMS @ 500 VDC
 DIELECTRIC STRENGTH _____ 500 V.A.C.
 POWER RATING _____ .2 WATTS
 CONTACT RESIS. VARIATION _____ BELOW 3% C.R.V.
 OUTPUT SMOOTHNESS _____ LESS THAN 0.1%

MECHANICAL

NO OF TURNS _____ 1
 MECHANICAL ROTATION _____ CONTINUOUS
 ROTATIONAL LIFE _____ 5,000,000 TURNS
 STOP STRENGTH _____ N/A
 TORQUE _____ 0.3 OZ.IN.
 WEIGHT _____ 8 GRAMS

ENVIRONMENTAL

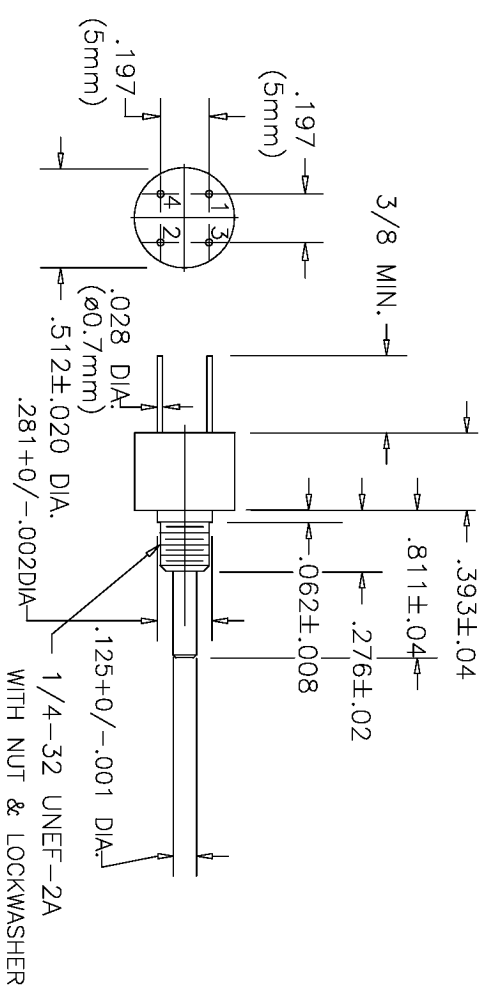
OPERATING TEMPERATURE _____ -55°C TO +105°C
 TEMPERATURE COEFFICIENT _____ ±400 PPm/°C
 VIBRATION _____ 10HZ TO 2000HZ 15G
 SHOCK _____ 50G
 MOISTURE RESISTANCE _____ 40°C 95%RH 120 HOURS

MATERIALS

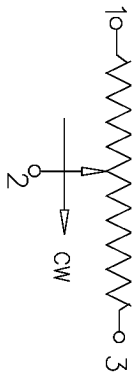
HOUSING _____ BRASS PLATED
 SHAFT _____ STAINLESS STEEL
 TERMINALS _____ GOLD PLATED BRASS
 RESISTANCE ELEMENT _____ CONDUCTIVE PLASTIC

OPTIONAL FEATURES

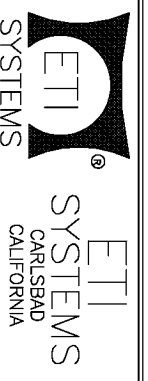
SHAFT MODIFICATIONS
 SERVO MOUNT
 CENTER TAP
 O-RING SHAFT SEAL
 SPECIAL ANGLES



SCHEMATIC



SCALE	DATE: 12-30-89
NONE	BY
CODE IDENT: 19477	APPRV'D BT



TITLE
 SINGLE TURN
 POTENTIOMETER

PART NO.
 SP12B

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