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REV.	BY	DATE	APPRVL.
C	DMS	4/17/98	

P/N 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

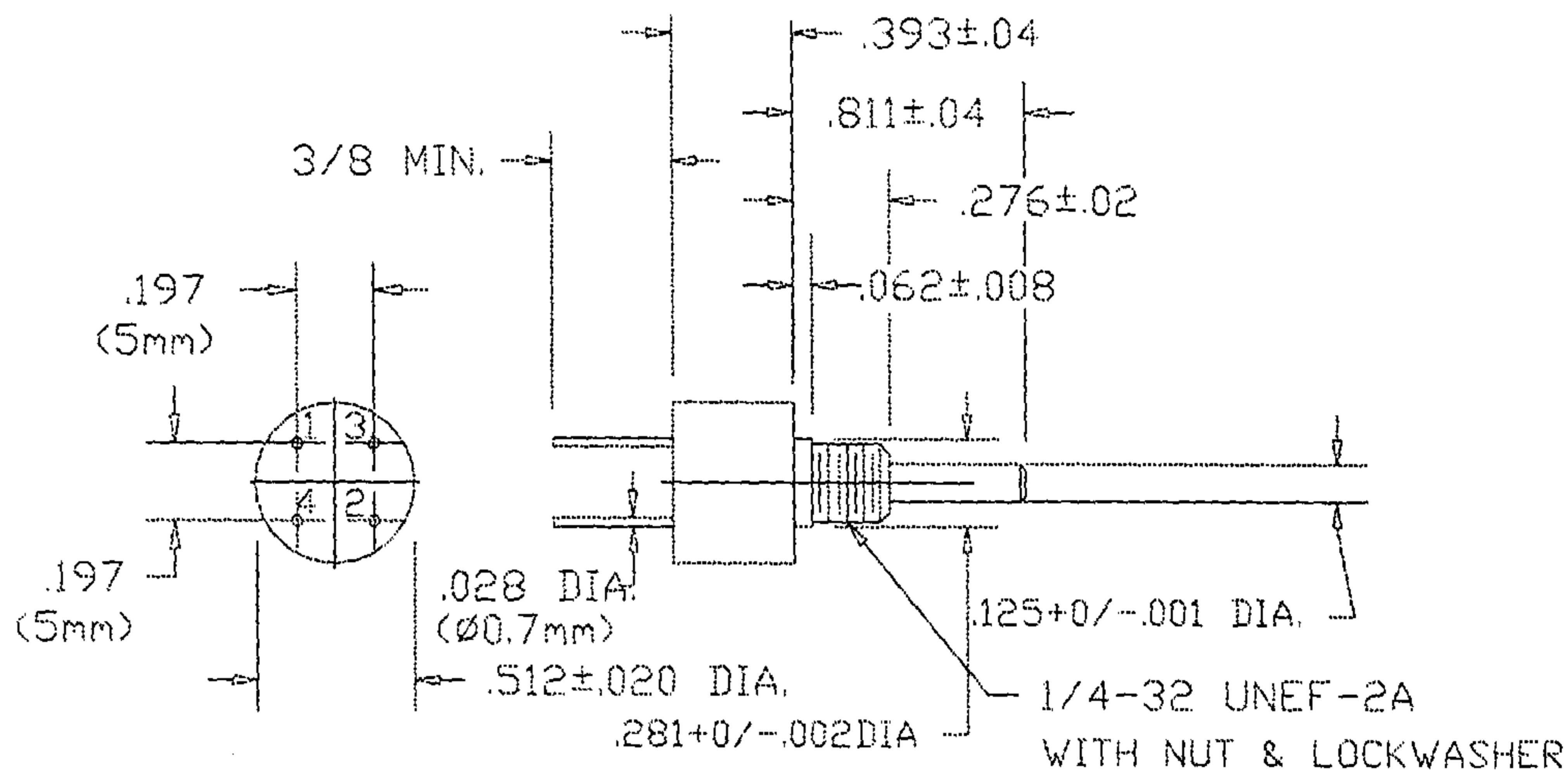
OPERATING TEMPERATURE ————— -55°C TO +105°C
 TEMPERATURE COEFFICIENT ————— ±400 PPM/°C
 VIBRATION ————— 10HZ TO 2000HZ 15G
 SHOCK ————— 50G
 MOISTURE RESISTANCE ————— 40°C 95%RH 120 HOURS

MATERIALS

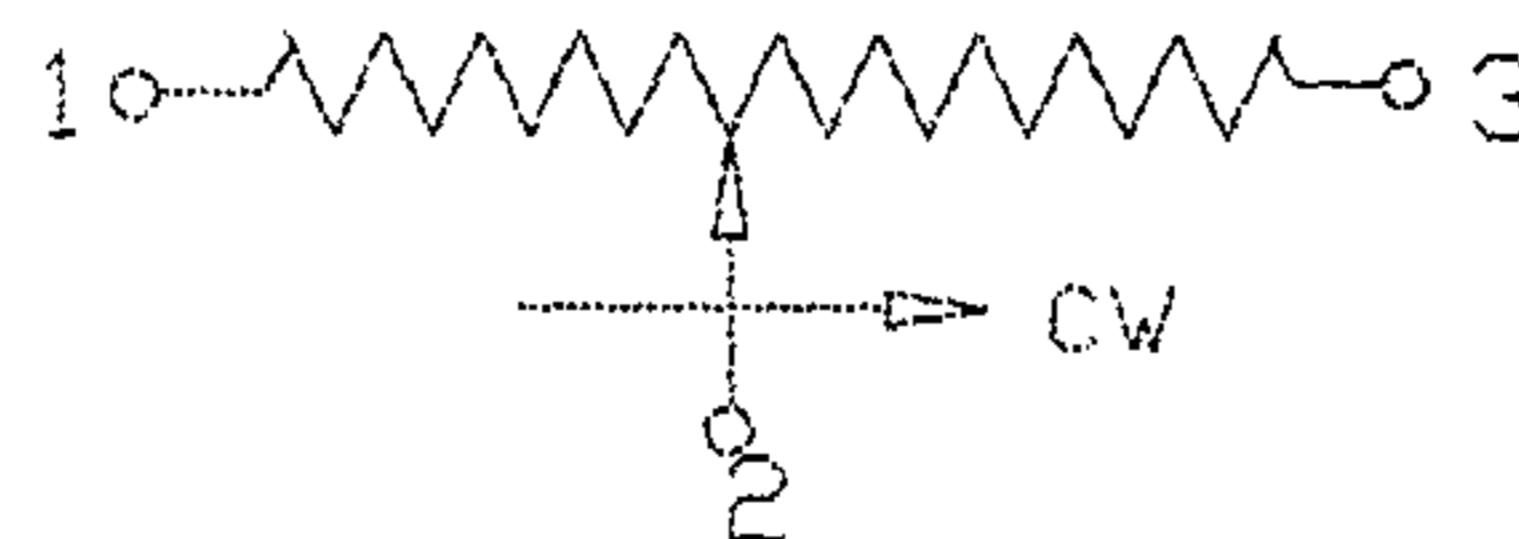
HOUSING ————— BRASS PLATED
 SHAFT ————— STAINLESS STEEL
 TERMINALS ————— GOLD PLATED BRASS
 RESISTANCE ELEMENT ————— CONDUCTIVE PLASTIC

OPTIONAL FEATURES

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



SCHEMATIC



Precision Sales & Equipment Inc.

610-359-1002

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TITLE
 SINGLE TURN
 POTENITOMETER

PART NO.
 SP12B

TOLERANCES XX = +/- .010" FRACT. = +/- 1/64" XXX = +/- .005" ANGLES = +/- 1/2"	SCALE	DATE: 12-30-89
	NONE	BY
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE	CODE IDENT: 19477	APPRV'D BT