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REV.	BY	DATE	APPRVL.	P/N SP12S
A	DMS	4/17/98		CONTACT RES. VARIATION WAS "2%"

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	10,000,000 TURNS
STOP STRENGTH	N/A
TORQUE	.15 OZ.IN.
WEIGHT	5 GRAMS

ENVIRONMENTAL

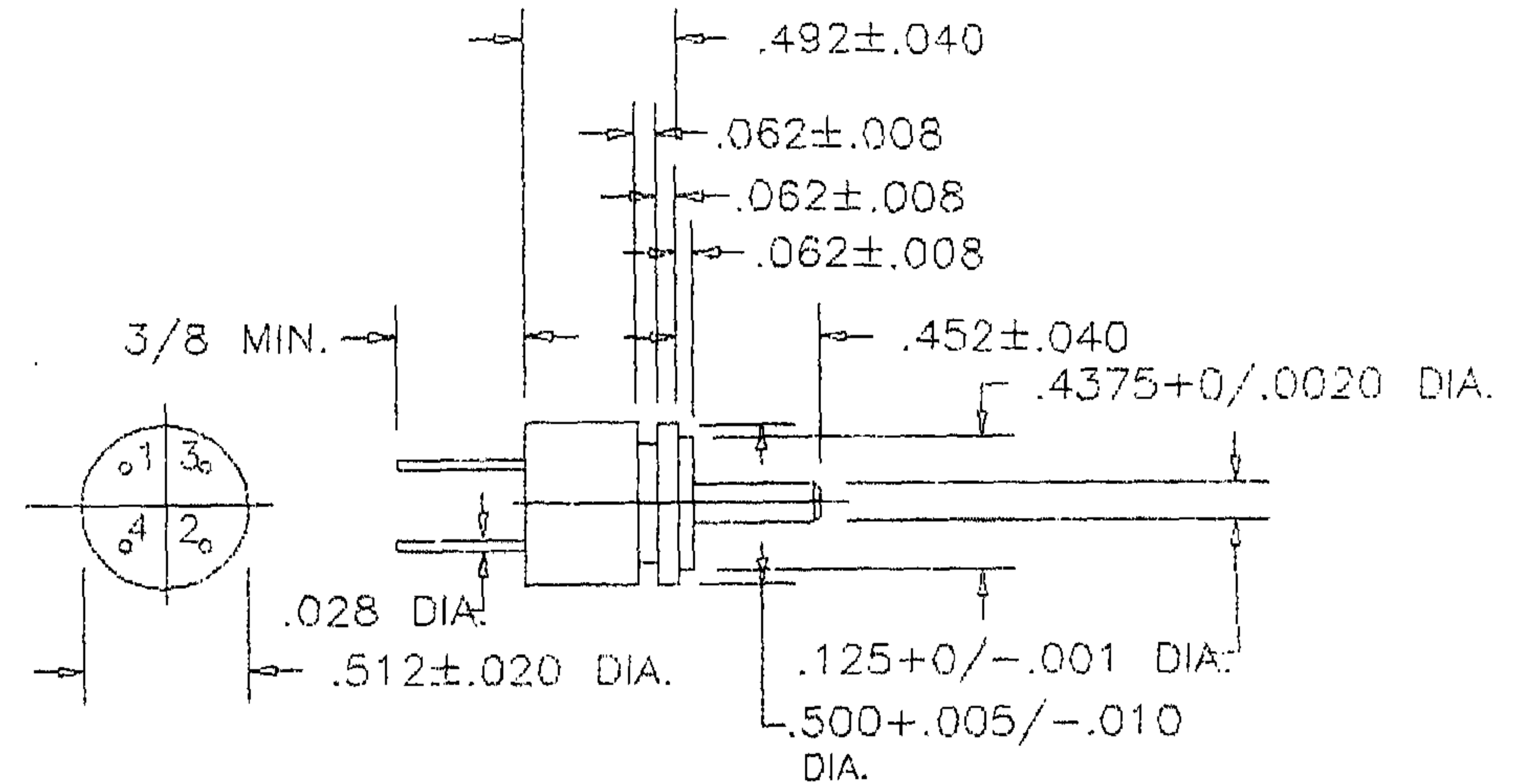
OPERATING TEMPERATURE	-55°C TO +105°C
TEMPERATURE COEFFICIENT	±400 PPM/°C
VIBRATION	10HZ TO 2000HZ 15G
SHOCK	50G
MOISTURE RESISTANCE	40°C 95%RH 120 HOURS

MATERIALS

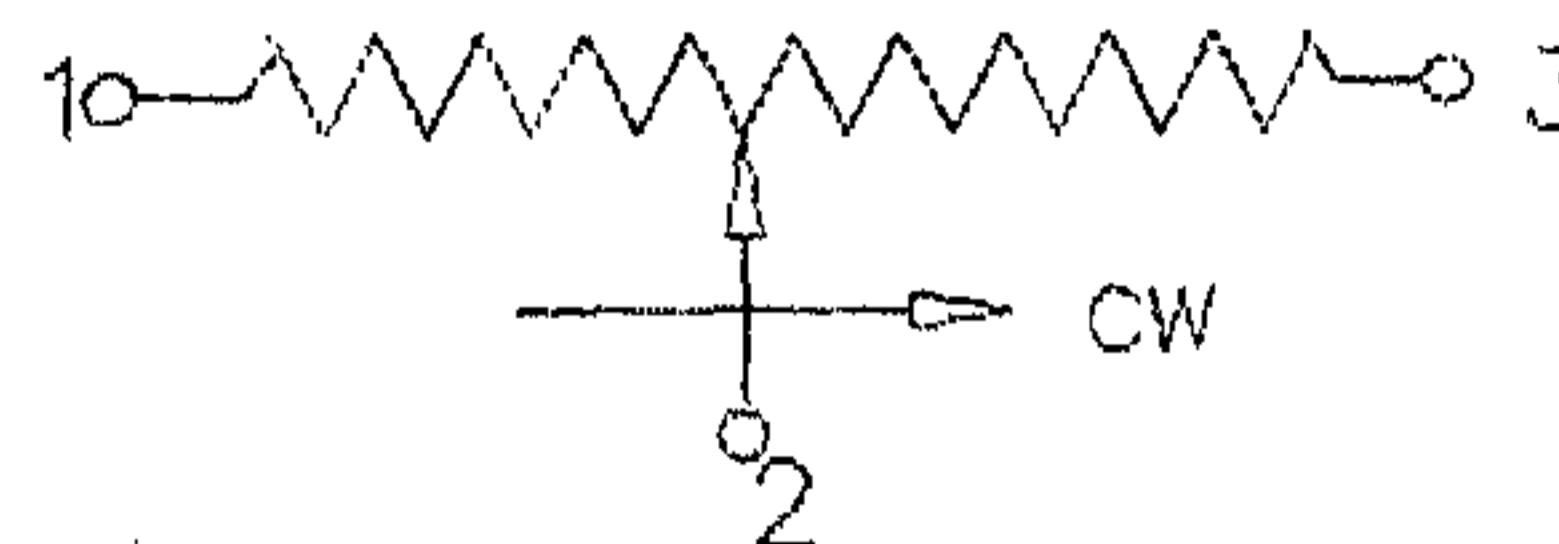
HOUSING	ANODIZED ALUMINUM, BLACK
SHAFT	STAINLESS STEEL
TERMINALS	GOLD PLATED BRASS
RESISTANCE ELEMENT	CONDUCTIVE PLASTIC

OPTIONAL FEATURES

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



SCHEMATIC



TOLERANCES +/- .010" FRACT. = +/- 1/64" +/- .035" ANGLES = +/- 1/2" DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.	SCALE	DATE: 12-30
	NONE	BY
	CODE IDENT: 194	APPRV'D BT

Precision Sales & Equipment Inc.
 610-359-1002
 FAX 610-353-1674

TITLE	PART NO.
SINGLE TURN POTENTIOMETER	SP12S