

ELECTRICAL SPECIFICATIONS

RESISTANCE VALUES	1K,2K,5K,10K,20K,50K,100K
RESISTANCE TOLERANCE	±10%
LINEARITY(INDEPENDENT)	±1%
ELECTRICAL ANGLE	340°±5°
END RESISTANCE	0.2% MAX.
RESOLUTION	ESSENTIALLY INFINITE
INSULATION RESISTANCE	1000MEGOHMS @1000 VDC
DIELECTRIC STRENGTH	1000 VAC
POWER RATING	1.5 WATT
CONTACT RESIS. VARIATION	BELOW 2% C.R.V.
OUTPUT SMOOTHNESS	LESS THAN 0.1%

MECHANICAL

NO OF TURNS	1
MECHANICAL ROTATION	CONTINUOUS
ROTATIONAL LIFE	50,000,000 TURNS
STOP STRENGTH	N/A
TORQUE	BELOW 0.3 OZ.IN.
WEIGHT	1 OZ.

ENVIRONMENTAL

OPERATING TEMPERATURE	-55°C TO +125°C
TEMPERATURE COEFFICIENT	±400 PPM/°C
VIBRATION	10HZ TO 2000HZ 15G
SHOCK	50G
MOISTURE RESISTANCE	40°C 95%RH 120 HOURS

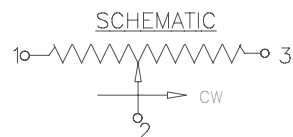
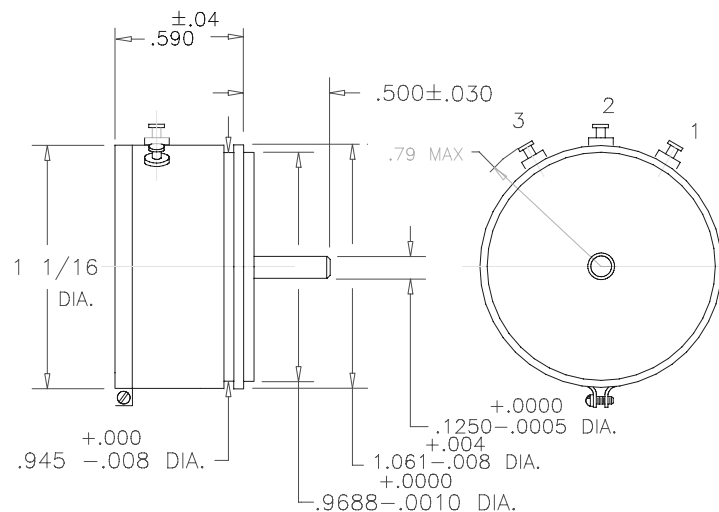
MATERIALS

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

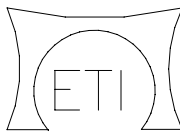
OPTIONAL FEATURES

SHAFT MODIFICATIONS
REAR SHAFT
CENTER TAP
O-RING SHAFT SEAL
BUSHING MOUNT
SPECIAL ANGLES
MULTIPLE SECTIONS

REV.	BY	DATE	PART NO.
B	PD	8-28 91	SP30S
			.500±.030 WAS .875±.030



USED ON

CONDUCTIVE PLASTIC RESISTANCE ELEMENT	SCALE	NONE	THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.	 CARLSBAD CALIFORNIA
	DATE:	3-31-88		
	BY			
TOLERANCES XX = +/- .010" FRACT. = +/- 1/64" XXX = +/- .005" ANGLES = +/- 1/2° ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.	APPRV'D	BT	TITLE SINGLE TURN POTENTIOMETER	PART NO. SP30S
	CODE IDENT:	19477		