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REV.	BY	DATE	APPRVD.
C	AT	10-23-01	

REVISED OPTIONS

P/N SP22GS

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE-----500,1K,2K,5K,10K,20K,50K,100K
RESISTANCE TOLERANCE-----±10%
LINEARITY INDEPENDENT-----±1.0%
POWER RATING-----1.0 WATTS
ELECTRICAL ANGLE-----340°±4°
END VOLTAGE-----0.2% MAX
RESOLUTION-----ESSENTIALLY INFINITE
OUTPUT SMOOTHNESS-----BELOW 0.1% AGAINST INPUT VOLTAGE
CONTACT RESISTANCE VARIATION-----BELOW 2%
INSULATION RESISTANCE-----1000MEG OHMS @ 500VDC MIN.
DIELECTRIC STRENGTH-----500 VAC

MECHANICAL

MECHANICAL ANGLE-----CONTINUOUS
ROTATIONAL TORQUE-----0.7 OZ.IN.
SHAFT END PLAY-----.006MAX.
TEMPERATURE COEFFICIENT-----±400 PPM/°C
WEIGHT,APPROX.-----1.1 OZ.
ROTATIONAL LIFE-----10,000,000 TURNS

ENVIRONMENTAL

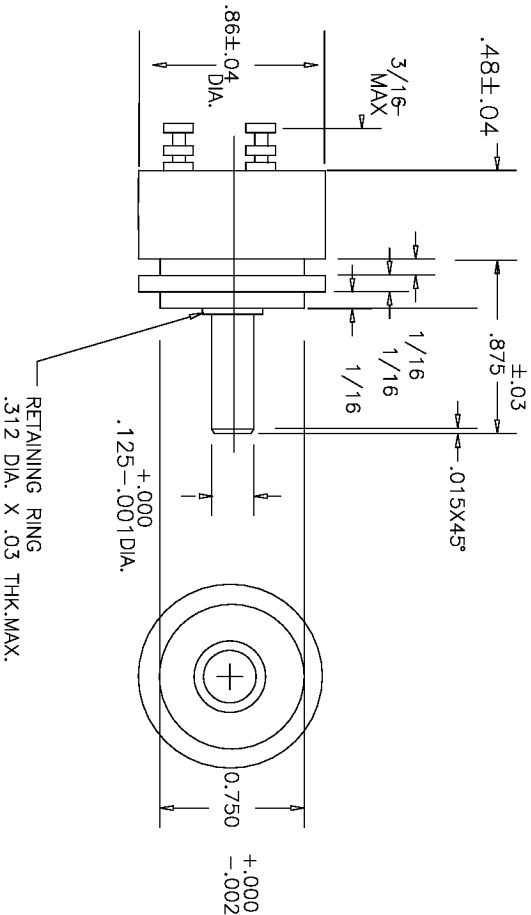
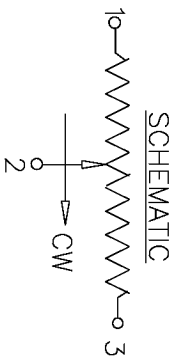
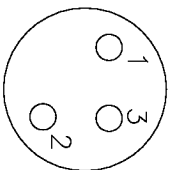
OPERATING TEMPERATURE----- -55°C TO +105°C
TEMPERATURE COEFFICIENT----- ±400 P.P.M/°C
VIBRATION----- 10HZ TO 2000HZ 15G
SHOCK----- 50G 11MS
MOISTURE RESISTANCE----- 40°C 95%RH 120 HOURS

MATERIALS

HOUSING-----HIGH TEMPERATURE PLASTIC
TERMINALS-----SOLDERABLE DOUBLE TURRET
SHAFT-----STAINLESS STEEL
ELEMENT-----CONDUCTIVE PLASTIC

OPTIONS

FRONT SHAFT MODIFICATIONS
CENTER TAP
O-RING SHAFT SEAL
SEALED BODY
SPECIAL ELECTRICAL / MECHANICAL ANGLES
SPECIAL LINEARITY & RESISTANCE TOLERANCES
BUSHING MOUNT (SEE SP22G)



TOLERANCES

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

SCALE	DATE:	7-05-01
NONE	BY	
	APPRVD	AT
CODE	IDENT:	19477



ETI
SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
SINGLE TURN
POTENTIOMETER

PART NO.
SP22GS