

SPECIFICATIONS

ELECTRICAL

RESISTANCE VALUES ----- 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K
 RESISTANCE TOLERANCE ----- ±1.0%
 LINEARITY(INDEPENDENT) ----- ±1.0%
 ELECTRICAL ANGLE ----- 340±.5°
 END RESISTANCE ----- 0.5% MAX.
 RESOLUTION ----- ESSENTIALLY INFINITE
 INSULATION RESISTANCE ----- 1000MEGΩHMS @ 500 VDC
 DIELECTRIC STRENGTH ----- 500 VAC
 POWER RATING ----- 1 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 ----- 10,000,000 TURNS
 TORQUE ----- BELOW 0.8 OZ.IN.
 WEIGHT ----- APPROX 0.7 OZ.

ENVIRONMENTAL

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

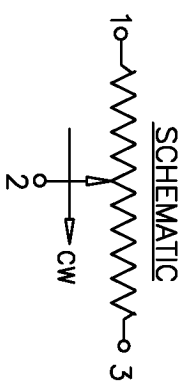
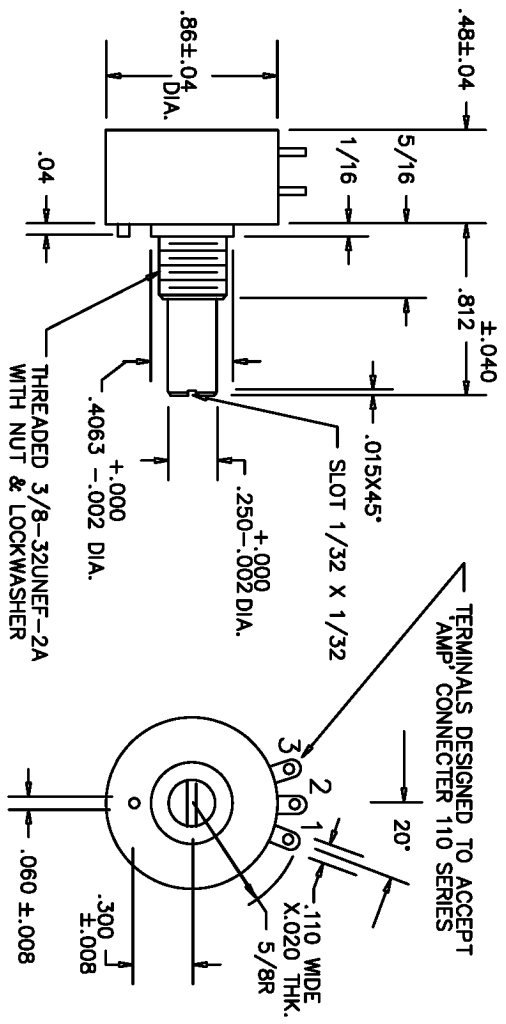
MATERIALS

HOUSING----- HIGH TEMP. THERMO PLASTIC
 TERMINALS----- GOLD PLATED BRASS
 BUSHING----- BRASS
 SHAFT----- STAINLESS STEEL
 ELEMENT----- CONDUCTIVE PLASTIC

OPTIONAL FEATURES

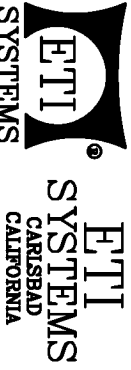
SHAFT MODIFICATIONS
 REAR SHAFT
 CENTER TAP
 O'RING SHAFT SEAL

REV.	BY	DATE	APPRVL.	P/N
A	GC	3-2-01	BT	10%RT / 1.0%LT / 10,000,000 TURN LIFE
B	BT	3-29-01	BT	500 WAS 500K; GOLD TERMS WAS SILVER



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

SCALE	DATE: 10-19-00
NONE	BY
CODE	APPRV'D
IDENT: 19477	BT



TITLE
 SINGLE TURN
 POTENTIOMETER

PART NO.
 SP22F