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	C	BT	2/7/97	ADDED SUBMERSIBLE NOTE				

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE ----- 1K TO 100K
 RESISTANCE TOLERANCE ----- $\pm 10\%$
 LINEARITY(INDEPENDENT) ----- $\pm 1\%$
 ELECTRICAL ANGLE ----- $280 \pm 5^\circ$
 END RESISTANCE ----- $2\% \text{ OR } 20\text{HMS (WHICHEVER IS GREATER)}$
 CONTACT RES. VARIATION ----- BELOW 2%
 RESOLUTION ----- ESSENTIALLY INFINITE
 INSULATION RESISTANCE ----- 100 MEGOHMS MIN. AT 1000 VDC.
 DIELECTRIC STRENGTH ----- 1000 VAC MIN
 POWER RATING ----- 1.0 WATTS
 OUTPUT SMOOTHNESS ----- BELOW 0.1% OF INPUT VOLTAGE

MECHANICAL

NO. OF TURNS ----- 1
 MECHANICAL ANGLE ----- CONTINUOUS
 ROTATIONAL LIFE ----- 10,000,000
 STOP STRENGTH ----- N/A
 STARTING TORQUE ----- 4.2 OZ. IN.
 WEIGHT ----- 1.5 OZ.
 SHAFT RADIAL PLAY ----- .005 IN. T.I.R. MAX
 SHAFT END PLAY ----- .005 IN. T.I.R. MAX

ENVIRONMENTAL

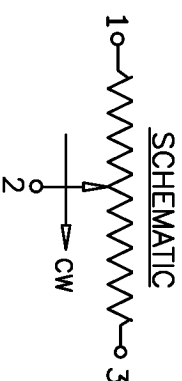
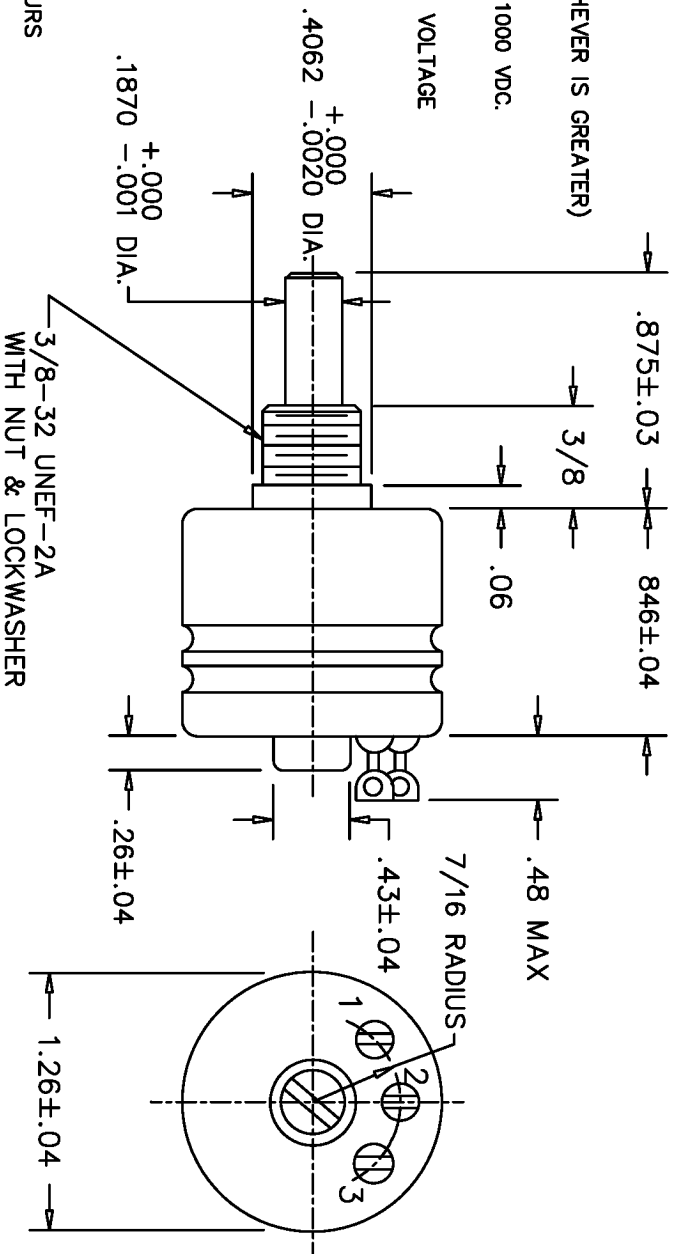
OPERATING TEMPERATURE ----- $-30^\circ\text{C TO } +60^\circ\text{C}$
 VIBRATION ----- 10HZ TO 2000HZ 10G
 SHOCK ----- 30G 11MS
 MOISTURE RESISTANCE ----- $40^\circ\text{C } 95\% \text{RH } 2000 \text{ HOURS}$
 SUBMERSIBLE ----- TO 15 PSI

MATERIALS

HOUSING ----- METAL
 SHAFT ----- STAINLESS STEEL
 BUSHING ----- PLATED BRASS
 TERMINALS ----- GLASS HEADERS
 RESISTANCE ELEMENT ----- CONDUCTIVE PLASTIC

OPTIONAL FEATURES

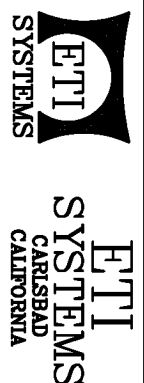
SHAFT MODIFICATIONS
 REAR SHAFT
 SPECIAL ANGLES
 CENTER TAP
 2 GANGS



USED ON

TOLERANCES
 XX = $\pm .010^\circ$ FRAC. = $\pm .1/64^\circ$
 XXX = $\pm .005^\circ$ ANGLES = $\pm .1/2^\circ$
 UNLESS SPECIFIED OTHERWISE.
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE
 DATE: 7-20-89
 BY
 APPRVD BT
 CODE IDENT: 19477



TITLE
 OIL FILLED
 SINGLE TURN
 POTENTIOMETER

PART NO.
 SOP 30B