

SPECIFICATIONS

SP30B

ELECTRICAL

RESISTANCE VALUES -----	1K,2K,5K,10K,20K,50K,100K
RESISTANCE TOLERANCE -----	±10%
LINEARITY(INDEPENDENT) -----	±1%
ELECTRICAL ANGLE -----	320°±5°
END RESISTANCE -----	0.2% MAX.
RESOLUTION -----	ESSENTIALLY INFINITE
INSULATION RESISTANCE -----	1000MEG OHMS @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 -----	320°+10°-0°
ROTATIONAL LIFE -----	20,000,000 TURNS
STOP STRENGTH -----	42 IN.OZ
TORQUE -----	.83 IN.OZ. MAX.
WEIGHT -----	1 OZ.

ENVIRONMENTAL

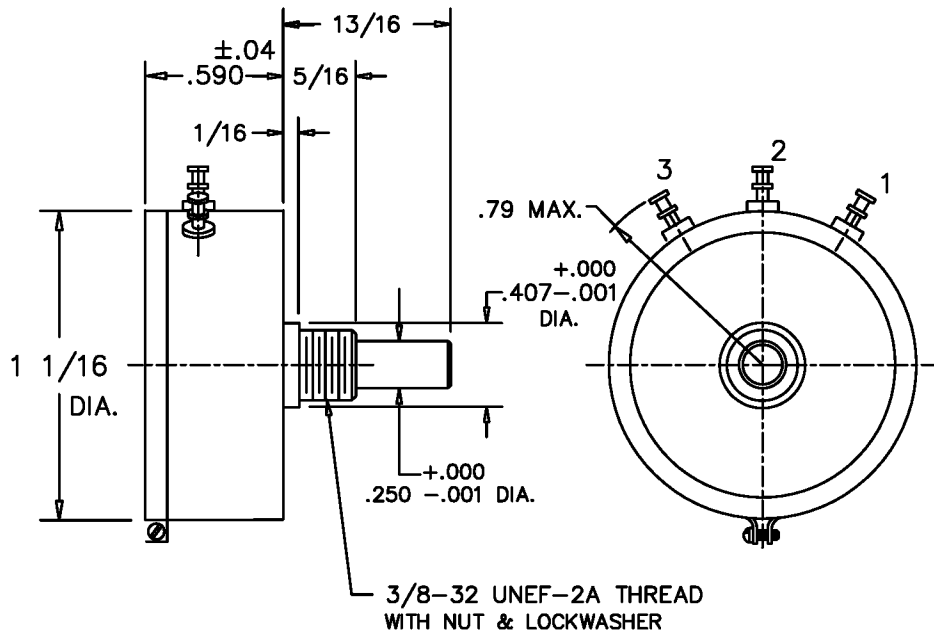
OPERATING TEMPERATURE -----	-55°C TO +125°C
TEMPERATURE COEFFICIENT -----	SEE CHART
VIBRATION -----	10HZ TO 2000HZ 15G
SHOCK -----	50G
MOISTURE RESISTANCE -----	40°C 95%RH 120 HOURS

MATERIALS

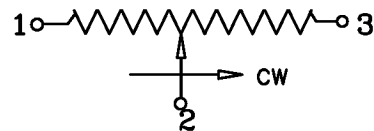
HOUSING -----	ANODIZED ALUMINUM
SHAFT -----	STAINLESS STEEL
TERMINALS -----	GOLD PLATED BRASS
RESISTANCE ELEMENT -----	CONDUCTIVE PLASTIC

OPTIONAL FEATURES

SHAFT MODIFICATIONS	O'RING SHAFT SEAL
REAR SHAFT	SERVO MOUNT
CENTER TAP	SPECIAL ANGLES



SCHEMATIC



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