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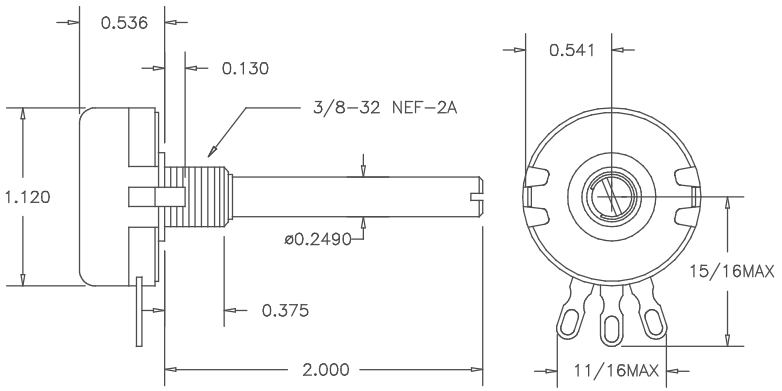
REV.	BY	DATE	APPRVL.	P/N RV4NAYSJ

SPECIFICATIONS

RESISTANCE RANGE ---------- 1K,5K,10K
RESISTANCE TOLERANCE ---------- ±10%
POWER RATING ----------2 WATTS @70°C
DERATED TO 0 WATTS AT 120°C
MECHANICAL ANGLE ---------- 314°
OPERATING VOLTAGE ---------- 500V SUBJECT TO POWER RATING
INSULATION RESISTANCE ---------- DRY: 10K MEG OHM
WET: 100K MEG OHM
DIELECTRIC STRENGTH ---------- 900 V RMS AT SEA LEVEL
OPERATING TORQUE ---------- 1 OZ/IN TO 6 OZ/IN
OPERATING TEMPERATURE ---------- -65°C TO +125°C
ROTATIONAL LIFE ---------- 25,000 CYCLES



MATERIALS

HOUSING ---------- STAINLESS STEEL
TERMINALS ---------- GOLD PLATED
SHAFT ---------- STAINLESS STEEL
RESISTIVE ELEMENT ---------- HOT MOLDED CARBON

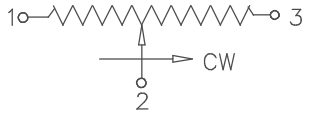
ENVIRONMENTAL

RESISTANCE TO SOLDERING HEAT ------- 350°C FOR 5 SECONDS
HUMIDITY RANGE ---------- PER MIL-R-94
VIBRATION RANGE ---------- PER MIL-R-94
SHOCK RESISTANCE ---------- PER MIL-R-94
LOAD LIFE ---------- 1000 Hr AT 70°C

OPTIONS

OTHER STANDARD RESISTANCE VALUES AVAILABLE
CUSTOM SHAFTS AND BUSHINGS
SPECIAL TAPERS
FOURTH (CENTER) TERMINAL
HIGH LIFE
ATTACHED SWITCH

SCHEMATIC



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

SCALE	DATE:	12-7-07
NONE	BY	AT
	APPRV'D	
CODE IDENT: 19477		

ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
SINGLE TURN
POTENTIOMETER

PART NO.
RV4NAYSJ

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REV.	BY	DATE	APPRVL.	P/N RV4NAYSD

SPECIFICATIONS

RESISTANCE RANGE ------ 100,500,1K,5K,10K,50K,100K,1MEG OHM
RESISTANCE TOLERANCE ---------- ±10%
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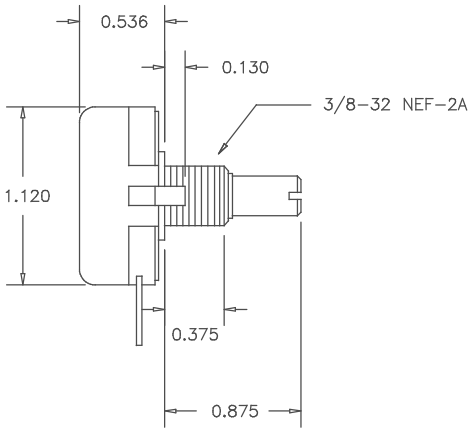
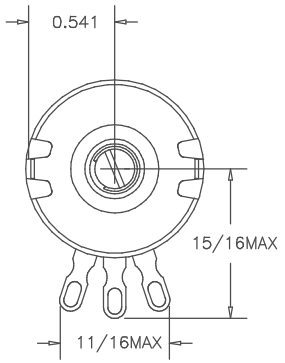
DERATED TO 0 WATTS AT 120°C
MECHANICAL ANGLE ---------- 314°
OPERATING VOLTAGE ---------- 500V SUBJECT TO POWER RATING
INSULATION RESISTANCE ---------- DRY: 10K MEG OHM
WET: 100K MEG OHM
DIELECTRIC STRENGTH ---------- 900 V RMS AT SEA LEVEL
OPERATING TORQUE ---------- 1 OZ/IN TO 6 OZ/IN
OPERATING TEMPERATURE ---------- -65°C TO +125°C
ROTATIONAL LIFE ---------- 25,000 CYCLES





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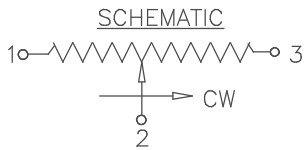

TOLERANCES	SCALE	DATE: 12-7-07		TITLE	PART NO.
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