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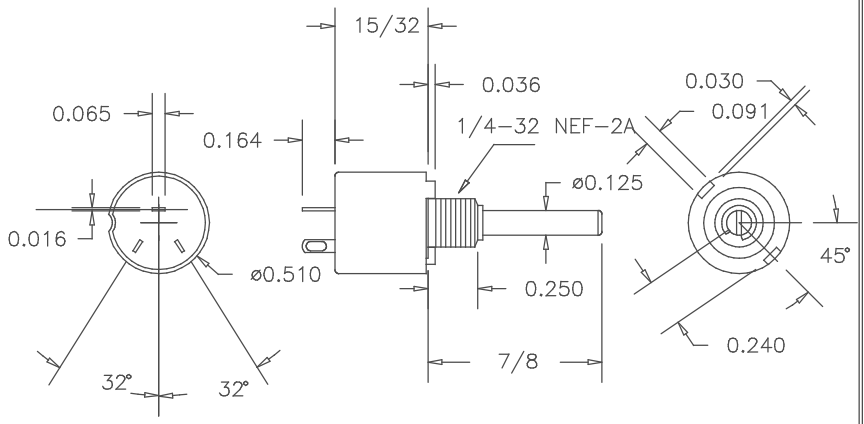
REV.	BY	DATE	APPRVL.	P/N RV6NAYSD

SPECIFICATIONS

RESISTANCE RANGE ---------- 1K,5K,10K
RESISTANCE TOLERANCE ---------- ±10%
POWER RATING ----------.5 WATT @70°C
DERATED TO 0 WATTS AT 120°C
MECHANICAL ANGLE ---------- 295°
OPERATING VOLTAGE ---------- 350V SUBJECT TO POWER RATING
INSULATION RESISTANCE ---------- DRY: 10K MEG OHM
WET: 100K MEG OHM
DIELECTRIC STRENGTH ---------- 750 V RMS AT SEA LEVEL
OPERATING TORQUE ---------- 0.5 OZ/IN TO 6 OZ/IN
OPERATING TEMPERATURE ---------- −65°C TO +125°C
ROTATIONAL LIFE ---------- 25,000 CYCLES



MATERIALS

ONE PIECE HOUSING AND BUSHING
TERMINALS ---------- GOLD PLATED
SHAFT ---------- STAINLESS STEEL
RESISTIVE ELEMENT ---------- HOT MOLDED CARBON

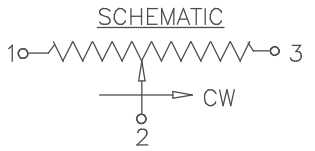
ENVIRONMENTAL

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

SCHEMATIC



TOLERANCES			
XX = +/− .010" FRACT. = +/− 1/64"	SCALE	DATE:	12−7−07
XXX= +/− .005" ANGLES = +/− 1/2°		BY	AT
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.	NONE	APPRV'D	
	CODE IDENT: 19477		

ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
SINGLE TURN
POTENTIOMETER

PART NO.
RV6NAYSD

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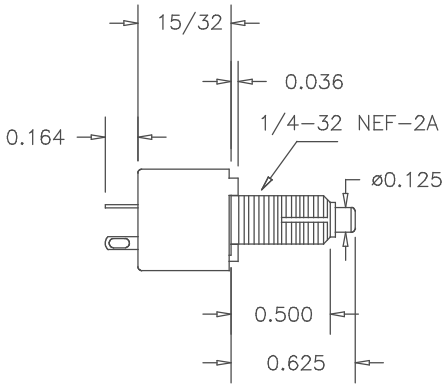
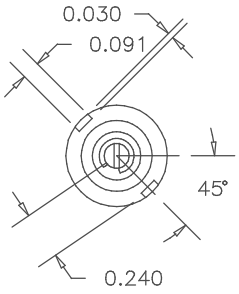
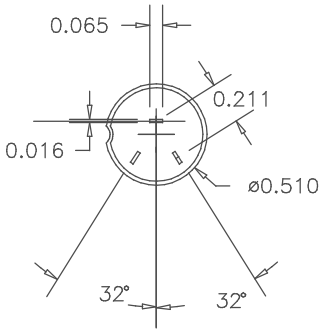
REV.	BY	DATE	APPRVL.	P/N RV6LAYSA

SPECIFICATIONS

RESISTANCE RANGE ---------- 1K,5K,10K
RESISTANCE TOLERANCE ---------- ±10%
POWER RATING ----------.5 WATT @70°C
DERATED TO 0 WATTS AT 120°C
MECHANICAL ANGLE ---------- 295°
OPERATING VOLTAGE ---------- 350V SUBJECT TO POWER RATING
INSULATION RESISTANCE ---------- DRY: 10K MEG OHM
WET: 100K MEG OHM
DIELECTRIC STRENGTH ---------- 750 V RMS AT SEA LEVEL
OPERATING TORQUE ---------- 0.5 OZ/IN TO 6 OZ/IN
OPERATING TEMPERATURE ---------- −65°C TO +125°C
ROTATIONAL LIFE ---------- 25,000 CYCLES







MATERIALS

ONE PIECE HOUSING AND BUSHING
TERMINALS ---------- GOLD PLATED
SHAFT ---------- STAINLESS STEEL
RESISTIVE ELEMENT ---------- HOT MOLDED CARBON

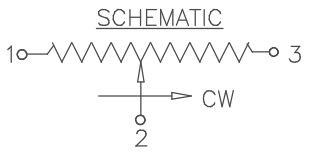
ENVIRONMENTAL

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

SCHEMATIC



TOLERANCES	SCALE	DATE:	12−7−07		TITLE	PART NO.
XX = +/− .010" FRACT. = +/− 1/64"		BY	AT	ETI SYSTEMS CARLSBAD CALIFORNIA	SINGLE TURN POTENTIOMETER	RV6LAYSA
XXX= +/− .005" ANGLES = +/− 1/2°	NONE	APPRV'D				
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.	CODE IDENT: 19477					