

REV.	BY	DATE	APPRVL.	<u>P/N</u>	RV4NAYSJ

<u>TOLERANCES</u> XX = +/- .010" FRACT. = +/- 1/64" XXX = +/- .005" ANGLES = +/- 1/2" ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.		SCALE NONE CODE		DATE: 12-7-07 BY AT APPR'D IDENT: 19477		 ETI SYSTEMS CARLSBAD CALIFORNIA		<u>TITLE</u> SINGLE TURN POTENTIOMETER		<u>PART NO.</u> RV4NAYSJ	
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THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.

REV.	BY	DATE	APPRVL.	P/N	RV4NAYS

SPECIFICATIONS

RESISTANCE RANGE ----- 100,500,1K,5K,10K,50K,100K,1MEG OHM
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

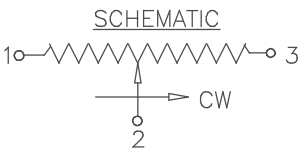
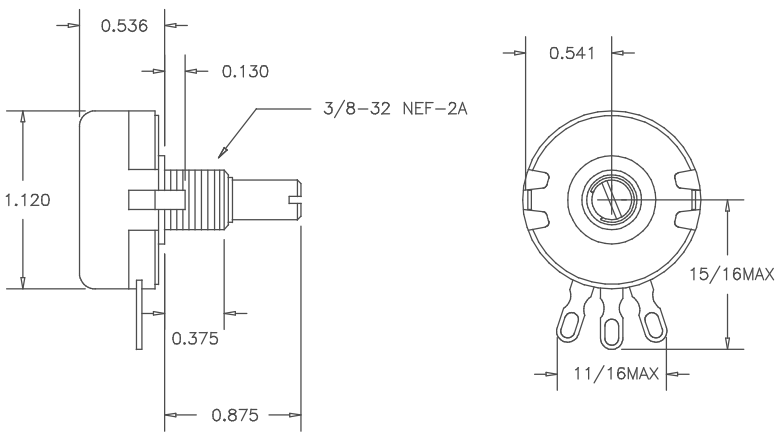
HOUSING ----- STAINLESS STEEL
TERMINALS ----- GOLD PLATED
SHAFT ----- STAINLESS STEEL
RESISTIVE ELEMENT ----- HOT MOLDED CARBON

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



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	NONE	BY AT			
	APPR'V'D				
	CODE IDENT: 19477				

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REV.	BY	DATE	APPRVL.	P/N	RV4LAYSA

SPECIFICATIONS

RESISTANCE RANGE ----- 5K,10K,50K OHM
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

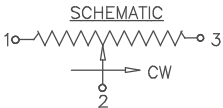
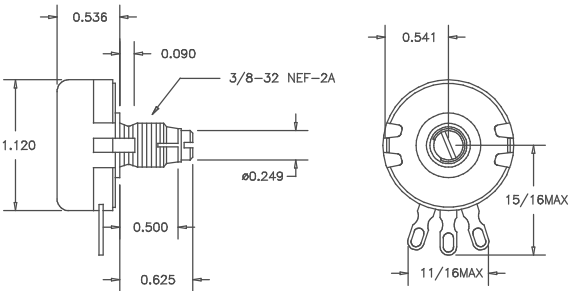
HOUSING ----- STAINLESS STEEL
TERMINALS ----- GOLD PLATED
SHAFT ----- STAINLESS STEEL
RESISTIVE ELEMENT ----- HOT MOLDED CARBON

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

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CUSTOM SHAFTS AND BUSHINGS
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