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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

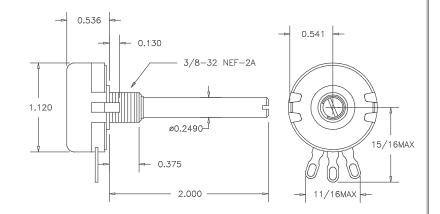
HOUSING STAINLESS STEEL
TERMINALS GOLD PLATED
SHAFT STAINLESS STEEL
RESISTIVE ELEMENT HOT MOLDED CARBON

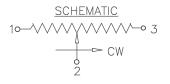
#### ENVIRONMENTAL

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





TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"

XXX= +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

ATTACHED SWITCH

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



ETI
SYSTEMS
CARLSBAD
CALIFORNIA

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%
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**

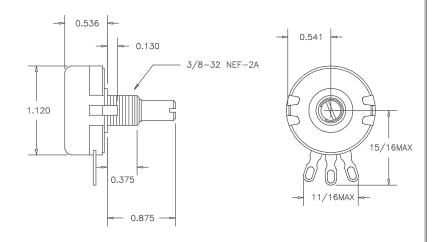
# ENVIRONMENTAL

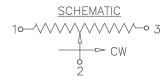
### <u>OPTIONS</u>

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

HIGH LIFE

ATTACHED SWITCH





		TOI	FR/	ANCE	S
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XX = +/- .010" FRACT. = +/- 1/64" XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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

®	ETI
$\lceil \rceil \setminus \rceil$	SYSTEMS CARLSBAD
EMS	CALIFORNIA

TITLE SINGLE TURN
POTENTIOMETER

PART NO.

RV4NAYSD

		THIS DOCUMENT CONTAINS PROPR OF POLARIS INDUSTRIAL ENTERPRI DISCLOSURE, REPRODUCTION, OR	SESJING, NO	REV.	BY	DATE	APPRVL.	P/N	RV4LAYSA
		PART THERE OF MAY BE MADE EN WRITTEN PERMISSION.	CEPT BY						
SPECIFICATIONS  RESISTANCE RANGE RESISTANCE TOLERANCE POWER RATING  MECHANICAL ANGLE OPERATING VOLTAGE DIELECTRIC STRENGTH OPERATING TORQUE OPERATING TORQUE ROTATIONAL LIFE  MATERIALS HOUSING TERMINALS SHAFT RESISTIVE ELEMENT	DERATED TO 0 WAS DERATED TO 0 WAS DERATED TO 0 WAS DERY: 1 WET: 11 OZ, 65 COLD TAILURGE STEEL GOLD PLATED STAINLESS STEEL STAINLESS STEEL STAINLESS STEEL STAINLESS STEEL	10K,50K OHM ±10% WAITS ©70°C ITS AT 120°C 314° POWER RATING OK MEG OHM AT SEA LEVEL /IN TO 6 OZ/IN °C TO +125°C 5,000 CYCLES		0.536	0.500		60.249		0.541 - 15/16MAX
ENVIRONMENTAL  RESISTANCE TO SOLDERING HEAT HUMIDITY RANGE VIBRATION RANGE SHOCK RESISTANCE LOAD LIFE	PER MI PER MIL PER M	L-R-94 R-94 IL-R-94		<u>□</u>	0,62	25 ◄-			11/16MAX
OPTIONS  OTHER STANDARD RESISTANCE VA CUSTOM SHAFTS AND BUSHINGS SPECIAL TAPERS FOURTH ( CENTER) TERMINAL HIGH LIFE ATTACHED SWITCH	LUES AVAILABLE							10-	SCHEMATIC  CW  2
$\begin{array}{l} {\rm TOLERANCES} \\ {\rm XX}=+/-\ \ \ {\rm JOI'}  {\rm FRACT}, \\ {\rm XXC}=+/-\ \ \ \ {\rm JOS'}  {\rm ANGLES}=+/-\ \ \ 1/2 \\ {\rm ALL\ SPECIFICATIONS\ SUBJECT\ TO\ CHANGE\ WITHOUT\ NOTICE.} \end{array}$	SCALE         DATE: 12-7-0           BY         AT           NONE         APPRV'D           CODE         IDENT: 19477	ETI ® S	ETI YSTEMS carlsbad california		NGL	E TUI NTIOM		PA	rt no. RV4LAYSA

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