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| REV. | BY | DATE | APPRVL. | P/N | RV4NAYSJ |
|------|----|------|---------|-----|----------|
| | | | | | |

SPECIFICATIONS

| RESISTANCE RANGE 1K,5K,10K |
|--|
| RESISTANCE TOLERANCE ±10% |
| POWER RATING2 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 |
| ROTATIONAL LIFE 25,000 CYCLES |

MATERIALS

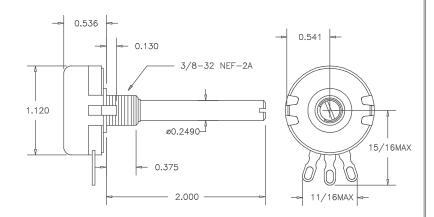
| HOUSING | STAIN | NLESS | STEE | L |
|-------------------|-------|---------|------|-------|
| TERMINALS | GOLE |) PLATI | ED | |
| SHAFT | STAI | NLESS | STE | EL |
| RESISTIVE ELEMENT | HOT | MOLDE | D C | ARBON |

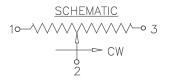
ENVIRONMENTAL

| 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°

ATTACHED SWITCH

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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

| ETI ® | ETI SYSTEMS carlsbad |
|---------|----------------------------|
| SYSTEMS | CALIFORNIA |

| TITLE SINGLE TURN | |
|----------------------|---|
| POTENTIOMETE | < |

| ARI | NO. | | | | |
|-----|-----|----|----|----|---|
| | RV | /4 | NA | ΔY | S |

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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

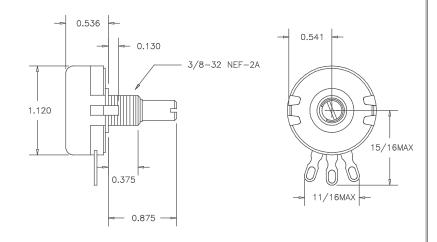
ENVIRONMENTAL

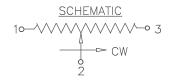
OPTIONS

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

HIGH LIFE

ATTACHED SWITCH





| | TOL | Ε | RΑ | ИC | Έ | S |
|--|-----|---|----|----|---|---|
| | | | | | | |

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 |
|---|-----------------------------------|
| | SYSTEMS CARLSBAD CALIFORNIA |
| , | |

SYSTEMS

| 1 | TITLE SINGLE TURN |
|---|----------------------|
| | POTENTIOMETER |

PART NO.

RV4NAYSD

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|---|---|--|--|-------|-------|---------------|------------|-----|--|
| | | PART THERE OF MAY BE MA WRITTEN PERMISSION. | DE EXCEPT BY | | | | | | |
| SPECIFICATIONS RESISTANCE RANGE RESISTANCE TOLERANCE POWER RATING MECHANICAL ANGLE OPERATING VOLTAGE INSULATION RESISTANCE DIELECTRIC STRENGTH OPERATING TORQUE OPERATING TEMPERATURE ROTATIONAL LIFE MATERIALS HOUSING TERMINALS | DERATED TO 0 WAS DERATED TO 1 WET: 10 C 900 V RMS 1 0Z/ 65 2 STAINLESS STEEL | 10K,50K OHM ±10% WAITS @70°C TIS AT 120°C 314° POWER RATING DK MEG OHM JOK MEG OHM JOK MEG OHM TO SEA LEVEL I'N TO 6 0Z/IN C TO +125°C | 1.120 | 0.536 | | 0.090 | 5/8-32 NEF | | 0.541 - 15/16MAX |
| SHAFT | STAINLESS STEEL | N | | | 0.500 | ' | | | - 11/16MAX - |
| RESISTANCE TO SOLDERING HEAT HUMIDITY RANGE VIBRATION RANGE SHOCK RESISTANCE LOAD LIFE | PER MII PER MIL | R_94 R_94 L_R_94 | | | • | 1 | | | |
| OTHER STANDARD RESISTANCE VA CUSTOM SHAFTS AND BUSHINGS SPECIAL TAPERS FOURTH (CENTER) TERMINAL HIGH LIFE ATTACHED SWITCH | LUES AVAILABLE | | | | | | | 10 | SCHEMATIC SCHEMATIC SCHEMATIC SCHEMATIC SCHEMATIC SCHEMATIC |
| $\begin{array}{lll} & & & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & \\ & & \\ & & \\ & \\ & \\ & & \\ &$ | SCALE DATE: 12-7-0 BY AT NONE APPRV'D CODE IDENT: 19477 | ETI SYSTEMS | ETI SYSTEMS carlsbad california | · | NGL | E TU NTIOM | | P/ | artino. RV4LAYSA |

Mouser Electronics

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ETI Systems: RV4LAYSA102A