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PART THERE OF MAY BE MADE EXCEPT BY
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| REV. | BY | DATE | APPRVL. | P/N | SW22E |
|------|----|---------|---------|---------------------------------|-------|
| E | DM | 7/25/96 | BT | ADDED 20K SPECS TO VALUES CHART | |

SPECIFICATIONS

RESISTANCE RANGE ----- 50 OHMS TO 20K OHMS
RESISTANCE TOLERANCE ----- $\pm 3\%$
INDEPENDENT, LINEARITY ----- $\pm 0.5\%$
POWER RATING ----- 0.5 WATTS
ELECTRICAL NOISE ----- 100 OHM MAX.
ELECTRICAL ANGLE ----- $320 \pm 5^\circ$
MECHANICAL ANGLE ----- $320 \pm 5^\circ$
STOP STRENGTH ----- 84 OZ.IN.MIN.
END RESISTANCE ----- 2% OR 1 OHM MAXIMUM
RESOLUTION ----- SEE CHART
INSULATION RESISTANCE ----- 1000 MEGOHMS AT 1000 VDC MIN.
DIELECTRIC STRENGTH ----- 1000 VAC
STARTING TORQUE ----- 0.8 OZ.IN.MAX.
TEMPERATURE COEFFICIENT ----- SEE CHART
WEIGHT ----- APPROX. 0.7 OZ.
OPERATING TEMPERATURE ----- -55°C TO $+105^\circ\text{C}$
ROTATIONAL LIFE ----- 500,000 SHAFT REVOLUTIONS

MATERIALS

HOUSING----- HIGH TEMP. THERMO PLASTIC
TERMINALS----- GOLD PLATED BRASS
BUSHING----- BRASS
SHAFT ----- STAINLESS STEEL
RESISTIVE ELEMENT----- WIREWOUND

NON-STANDARDS AVAILABLE

MULT-GANGED UP TO 6 SECTIONS
REAR SHAFT EXTENSION
FRONT SHAFT MODIFICATIONS
CENTER TAP
SPECIAL ELECTRICAL AND MECHANICAL ANGLES

STANDARD RESISTANCE VALUES CHART

| RESISTANCE (OHMS) | 50 | 100 | 200 | 500 | 1K | 2K | 5K | 10K | 20K |
|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RESOLUTION | .33 | .27 | .21 | .22 | .17 | .13 | .10 | .08 | .06 |
| TEMPERATURE | | | | | | | | | |
| COEFFICIENT PPM/ $^\circ\text{C}$ | 80 | 80 | 80 | 20 | 20 | 20 | 20 | 20 | 20 |

TOLERANCES

XX = $\pm .010^\circ$ FRAC. = $\pm 1/64^\circ$
XXX = $\pm .005^\circ$ ANGLES = $\pm 1/2^\circ$
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

| SCALE | DATE: | 8/4/86 |
|-------|--------|--------|
| NONE | BY | BT |
| | APPR'D | BT |
| CODE | IDENT: | 19477 |

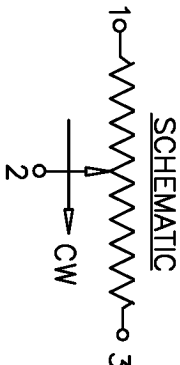
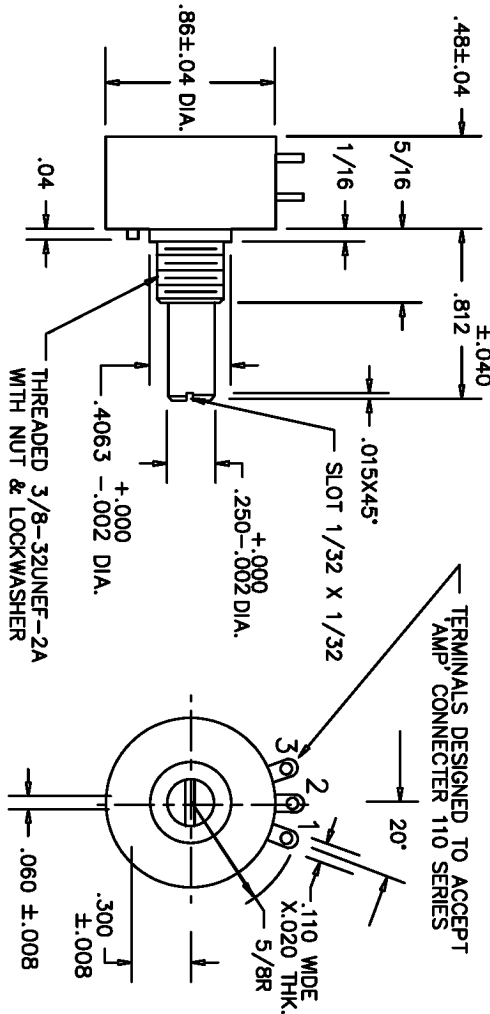


ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
SINGLE TURN
POTENTIOMETER

PART NO.

SW22E



Mouser Electronics

Authorized Distributor

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