SPECIFICATIONS

ELECTRICAL
- RESISTANCE RANGE: 100 to 100,000 ohms
- RESISTANCE TOLERANCE: ± 5%
- INDEPENDENT LINEARITY: SEE CHART
- POWER RATING: SEE CHART
- ELECTRICAL NOISE: 100 ohms max.
- ELECTRICAL ANGLE: SEE CHART
- END RESISTANCE: 1 ohm or 1% max.
- RESOLUTION: SEE CHART
- INSULATION RESISTANCE: 1000 megohms min, @ 500VDC
- DIELECTRIC STRENGTH: 1000 VAC.

MECHANICAL
- MECHANICAL ANGLE: SEE CHART
- STOP STRENGTH: 45 oz-in.
- STARTING TORQUE: 1.4 oz-in. max.
- ROTATIONAL LIFE: 1,000,000 revolutions
- WEIGHT: 0.8 oz.
- RADIAL PLAY: 0.002 T.I.R.
- END PLAY: 0.005
- PILOT RUNOUT: 0.015 T.I.R.
- SHAFT RUNOUT: 0.002 T.I.R.
- LATERAL RUNOUT: 0.0025 T.I.R.

ENVIRONMENTAL
- OPERATING TEMPERATURE: -55° to +105°C
- TEMPERATURE COEFFICIENT: SEE CHART
- VIBRATION: 10Hz to 2,000Hz @ 150
- MOISTURE RESISTANCE: 40%RH 500 hours
- SHOCK: 5G 11ms

NON-STANDARDS AVAILABLE
- MULTI-GANGED UP TO 6 SECTIONS
- REAR SHAFT EXTENSION
- FRONT SHAFT MODIFICATIONS

MATERIALS
- HOUSING: HIGH TEMP. THERMO PLASTIC
- TERMINALS: GOLD PLATED BRASS
- SERVO MOUNT: ANODIZED ALUMINUM
- SHAFT: STAINLESS STEEL
- RESISTIVE ELEMENT: WIREWOUND BEARINGS: BALL

RESOLUTION CHART

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ELECTRICAL ANGLE</th>
<th>MECHANICAL ANGLE</th>
<th>LINEARITY</th>
<th>POWER RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>MW22S-3</td>
<td>1080°±5°</td>
<td>1080°±10°/--°</td>
<td>±0.5%</td>
<td>1 WATT</td>
</tr>
<tr>
<td>MW22S-5</td>
<td>1800°±5°</td>
<td>1800°±10°/--°</td>
<td>±0.3%</td>
<td>1 WATT</td>
</tr>
<tr>
<td>MW22S-10</td>
<td>3600°±5°</td>
<td>3600°±10°/--°</td>
<td>±0.25%</td>
<td>2 WATT</td>
</tr>
</tbody>
</table>

WIREWOUND RESISTANCE ELEMENT

SCALE: NONE
DATE: 9-2-92
BY: PD
APPROV'D: BT
TITLE: MULTI-TURN POTentiOMETER

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PREcision SALES & EQUIPMENT INC
610-359-1002
FAX 610-353-1674

PART NO.
MW22S

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

CODE IDENT: 19477