FEATURES

- Low cost commercial potentiometer.
- Ideal for industrial controls and laboratory type applications.
- Operating temperature range $-55^\circ$ to $+105^\circ$C.
- Power rating 0.5 watt at room temperature.
- 25-turn screwdriver adjustment for precise electrical settings.
- Self-locking shaft for stable electrical settings.

STANDARD RESISTANCES

<table>
<thead>
<tr>
<th>Resistance (ohms)</th>
<th>Part Numbers*</th>
<th>Nominal Resolution (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Model 271</td>
<td>Model 275</td>
</tr>
<tr>
<td></td>
<td>Stranded Insulated Leads</td>
<td>Printed Circuit Pins</td>
</tr>
<tr>
<td>10</td>
<td>271-1-100</td>
<td>275-1-100</td>
</tr>
<tr>
<td>20</td>
<td>271-1-200</td>
<td>275-1-200</td>
</tr>
<tr>
<td>50</td>
<td>271-1-500</td>
<td>275-1-500</td>
</tr>
<tr>
<td>100</td>
<td>271-1-101</td>
<td>275-1-101</td>
</tr>
<tr>
<td>200</td>
<td>271-1-201</td>
<td>275-1-201</td>
</tr>
<tr>
<td>500</td>
<td>271-1-501</td>
<td>275-1-501</td>
</tr>
</tbody>
</table>

SPECIAL RESISTANCES AVAILABLE FROM 10 TO 50,000 OHMS


*The last three digits of the part number represent the resistance in standard code.
Model 271-273-275 TRIMPOT® Potentiometers

SPECIFICATIONS

Standard Resistance Range ........................................ 10 to 50,000 ohms
Resistance Tolerance ............................................. ±10%
Absolute Minimum Resistance ............................... 0 to 2.0%
Dielectric Strength .................................................. 500 volts AC minimum
Operating Temperature Range ................................ -55° to +105°C
Temperature Coefficient of Resistance Wire ........... 20 ppm/°C maximum
Power Rating .......................................................... 0.5 watt at room temperature derated to zero watt at +105°C
Mechanical Adjustment ............................................. 25 turns nominal
Vibration ............................................................... 10Gs to 2,000 Hz.
Shock ......................................................................... 20Gs, 11 milliseconds

Adjustment Shaft ..................................................... Self-locking
Mechanical Stops ...................................................... None (wiper assembly idles)
Enclosure ................................................................. Not sealed
Terminals:
- Model 271 .................................................. Stranded, insulated leads, 30 AWG (0.004 O.D.)
  7 Strands/38 AWG
- Model 273 .................................................. Solder lugs
- Model 275 .................................................. Gold plated grade A nickel plated circuit pins
Markings ................................................................. Manufacturer's name, wiring diagram, resistance, and manufacturer's part number.

Specifications are subject to change without notice.

271
L-Terminals

S-Terminals

275
P-Terminals

OBsolete

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