Model Nos.
- R25W (with stop)
- R25WC (without stop, continuous)

General Specifications (Note 1)

- **Resistance Values (Ω):**
  - 50, 100, 200, 500, 1K, 2K
  - 5K, 10K, 20K
- **Resistance Tolerance:**
  - Standard Class ±10%
  - Precision Class ±5%
- **Independent Linearity Tolerance:**
  - Standard Class ±1%
  - Precision Class ±0.75%
- **Power Rating:**
  - 1.0W @ 70°C (0W @ 105°C)
- **Rotational Life:**
  - 100,000 shaft revolutions (no load)
- **Protection Grade:**
  - IP40 (IP54 optional)
- **Operating Temperature:**
  - -40° to +105°C (Note 1)

- **Noise:** Below 100 ohms E.N.R
- **Electrical Travel:** 270° ±5°
- **Mechanical Travel:**
  - R25W 285° ±5°
  - R25WC 360° (w/o stop, continuous)
- **Insulation Resistance:**
  - Over 1,000M ohms @ 500 VDC
  - 1 minute at 1,000V A.C.
- **Dielectric Strength:**
  - Below 15mN•m (150gf•cm)
- **Starting Torque:**
  - ±150 p.p.m./°C (> 1K)
  - ±50 p.p.m./°C (≤ 1K)
- **Vibration:**
  - 15 G / 10Hz to 2,000 Hz
- **Shock:**
  - 30 G / 10ms
- **Mass:**
  - Approx. 20g

Resolution Chart

<table>
<thead>
<tr>
<th>Resist. Value (Ω)</th>
<th>50</th>
<th>100</th>
<th>200</th>
<th>500</th>
<th>1k</th>
<th>2k</th>
<th>5k</th>
<th>10k</th>
<th>20k</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (%)</td>
<td>0.7</td>
<td>0.56</td>
<td>0.52</td>
<td>0.39</td>
<td>0.26</td>
<td>0.22</td>
<td>0.17</td>
<td>0.15</td>
<td>0.11</td>
</tr>
</tbody>
</table>

Special Specifications Available

- Special shaft machining, Special electrical angle, Special resistance values

Note 1: Customers should test and verify device performance in any given application. General specifications are measured at temperatures of +15°C ~ +35°C. Specifications subject to change without notice.