These miniature Permanent Magnet DC Stepper Motors measure 25mm in diameter and provide up to 2.36 ounce-inches of bipolar holding torque. These motors come standard in 7.5° step angles with a four or six-lead wire connection, and are offered in 5V or 12V voltage ratings. Customization is available for larger quantities.

### Features
- Permanent Magnet Stepper Motor
- 25mm Diameter
- 7.5 Degree Step Angle
- Up to 2.36 oz-in of Bipolar Holding Torque
- Customization Available for:
  - Winding Current to Optimize Torque
  - Shaft Options
  - Cables or Connectors
- RoHS Compliant and CE Certified

### Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th># of Wires</th>
<th># of Phases</th>
<th>Bipolar Holding Torque (oz-in)</th>
<th>Detent Torque (oz-in)</th>
<th>Bipolar Series RMS Voltage (V)</th>
<th>Current Per Phase (A)</th>
<th>Resistance Per Phase (ohms)</th>
<th>Rotor Inertia (oz-in-sec²)</th>
<th>Weight (lbs)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSM25-075-15-12V-024A-LW4</td>
<td>4</td>
<td>2</td>
<td>2.36</td>
<td>0.62</td>
<td>12</td>
<td>0.24</td>
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<td>0.000014</td>
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<td>TSM25-075-15-5V-050A-LW6</td>
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<td>10</td>
<td>0.000014</td>
<td>0.06</td>
<td>15.0</td>
</tr>
</tbody>
</table>

- **Step Angle Accuracy**: ±8% (Full Step, No Load)
- **Insulation Resistance**: 100ΩMin. 500 VDC
- **Resistance Accuracy**: ±10%
- **Dielectric Strength**: 500VAC for One Minute
- **Inductance Accuracy**: ±20%
- **Shaft Radial Play**: 0.06Max (450 g-load)
- **Temperature Rise**: 80°C Max
- **Shaft Axial Play**: +/- 0.5mm (450 g-load)
- **Ambient Temperature**: -20°C to +50°C

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