28BYJ-48 – 5V Stepper Motor

The 28BYJ-48 is a small stepper motor suitable for a large range of applications.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage</td>
<td>5VDC</td>
</tr>
<tr>
<td>Number of Phase</td>
<td>4</td>
</tr>
<tr>
<td>Speed Variation Ratio</td>
<td>1/64</td>
</tr>
<tr>
<td>Stride Angle</td>
<td>5.625°/64</td>
</tr>
<tr>
<td>Frequency</td>
<td>100Hz</td>
</tr>
<tr>
<td>DC resistance</td>
<td>50Ω±7%(25°C)</td>
</tr>
<tr>
<td>Idle In-traction Frequency</td>
<td>&gt; 600Hz</td>
</tr>
<tr>
<td>Idle Out-traction Frequency</td>
<td>&gt; 1000Hz</td>
</tr>
<tr>
<td>In-traction Torque</td>
<td>&gt;34.3mN.m (120Hz)</td>
</tr>
<tr>
<td>Self-positioning Torque</td>
<td>&gt;34.3mN.m</td>
</tr>
<tr>
<td>Friction torque</td>
<td>600-1200 gf.cm</td>
</tr>
<tr>
<td>Pull in torque</td>
<td>300 gf.cm</td>
</tr>
<tr>
<td>Insultated resistance</td>
<td>&gt;10MO(500V)</td>
</tr>
<tr>
<td>Insulated electricity power</td>
<td>600VAC/1mA/1s</td>
</tr>
<tr>
<td>Insulation grade</td>
<td>A</td>
</tr>
<tr>
<td>Rise in Temperature</td>
<td>&lt;40K(120Hz)</td>
</tr>
<tr>
<td>Noise</td>
<td>&lt;35dB(120Hz, No load, 10cm)</td>
</tr>
<tr>
<td>Model</td>
<td>28BYJ-48 – 5V</td>
</tr>
</tbody>
</table>