2-phase stepping motor

42 mm sq. (1.65 inch sq.)

SS242
1.8° / step Bipolar winding

## Specifications

**Bipolar winding • Lead wire type**

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding torque at 2-phase energization</th>
<th>Rated current</th>
<th>Wiring resistance</th>
<th>Winding inductance</th>
<th>Rotor inertia</th>
<th>Mass (Weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single shaft</td>
<td>Double shafts</td>
<td>A/phase</td>
<td>Ω/phase</td>
<td>mH/phase</td>
<td>kgf cm/oz in²</td>
<td>kg/ibs</td>
</tr>
<tr>
<td>SS2421-5041</td>
<td>-5011</td>
<td>0.883 (11.76)</td>
<td>1.65</td>
<td>1.2</td>
<td>0.015 (0.082)</td>
<td>0.07 (0.16)</td>
</tr>
<tr>
<td>SS2422-5041</td>
<td>-5011</td>
<td>0.186 (26.33)</td>
<td>5.4</td>
<td>2.9</td>
<td>0.028 (0.153)</td>
<td>0.14 (0.31)</td>
</tr>
<tr>
<td>SS2423-5041</td>
<td>-5011</td>
<td>0.240 (33.98)</td>
<td>7.3</td>
<td>5</td>
<td>0.038 (0.208)</td>
<td>0.20 (0.44)</td>
</tr>
</tbody>
</table>

## Pulse rate-torque characteristics

### SS2421-50

- **Constant current circuit**
  - Source voltage: DC24V
  - Operating current: 1A/phase, 2-phase energization

### SS2422-50

- **Constant current circuit**
  - Source voltage: DC24V
  - Operating current: 1A/phase, 2-phase energization

### SS2423-50

- **Constant current circuit**
  - Source voltage: DC24V
  - Operating current: 1A/phase, 2-phase energization

The data are measured under the drive condition of our company. The drive torque may vary depending on the accuracy of customer-side equipment.