Small Size 2-Phase Stepping Motor

14 mm sq. (.55 inch sq.)

**Features**

Industry's Top Small 14 mm sq. and Light Weight 28 g

The information is current as of December, 2011. The above data is based on our own research, collected among 2-phase stepping motors for industrial use.

**Application**

Devices where mountable space is quite limited such as an electric gripper and an electric cylinder

**Specification**

1.8°/Step Bipolar winding

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding torque at 2-phase energization [N·m (oz·in) MIN.]</th>
<th>Rated current [A/phase]</th>
<th>Wiring resistance [Ω/phase]</th>
<th>Winding inductance [mH/phase]</th>
<th>Rotor inertia [× 10⁻⁴ kg·m² (oz·in²)]</th>
<th>Mass [kg (lbs)]</th>
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</thead>
<tbody>
<tr>
<td>Single shaft</td>
<td>0.0065 (0.92)</td>
<td>0.3</td>
<td>21</td>
<td>4.2</td>
<td>0.00068 (0.0032)</td>
<td>0.028 (0.062)</td>
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<td>Double shafts</td>
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<td>SH2141-5541</td>
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<td>SH2141-5511</td>
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</table>

**Pulse rate-torque characteristics**

Constant current circuit
Source voltage: 24 V DC
Operating current: 0.3A/phase
2-phase energization (full-step)
JL=0.01×10⁻⁴ kg·m² (pulley balancer method)
fs: No load maximum starting pulse rate

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

**Dimensions [unit : mm (inch)]**

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**Remarks**: Specifications Are Subject To Change Without Notice.