OUTLINE

“M35SP-7”, the standard, 35mm outer diameter model series. Output torque characteristics—holding torque : 29.4mN·m, pull-out torque : 18.1mN·m/200pps, and pull-in torque : 17.6mN·m/200pps (6V DC). With these torques this motor materializes an excellent size performance.

FEATURES

1. Compact size and high output torque.
2. Superior running quietness and stability.
4. Excellent responsiveness acquired.

USES

Printers, multifunction machines, copy machines, FAX, and such.
<table>
<thead>
<tr>
<th>Items</th>
<th>M35SP-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage</td>
<td>DC 6V</td>
</tr>
<tr>
<td>Working Voltage</td>
<td>DC 5.4–6.6V</td>
</tr>
<tr>
<td>Rated Current/Phase</td>
<td>807mA max.</td>
</tr>
<tr>
<td>No. of Phase</td>
<td>4 Phase</td>
</tr>
<tr>
<td>Coil DC Resistance</td>
<td>8Ω/phase±7%</td>
</tr>
<tr>
<td>Step Angle</td>
<td>7.5°/step</td>
</tr>
<tr>
<td>Excitation Method</td>
<td>2 Phase excitation (Unipolar driving)</td>
</tr>
<tr>
<td>Insulation Class</td>
<td>Class E insulation</td>
</tr>
<tr>
<td>Holding Torque</td>
<td>29.4mN·m</td>
</tr>
<tr>
<td>Pull-out Torque</td>
<td>18.1mN·m/200pps</td>
</tr>
<tr>
<td>Pull-in Torque</td>
<td>17.6mN·m/200pps</td>
</tr>
<tr>
<td>Max. Pull-out Pulse Rate</td>
<td>770pps</td>
</tr>
<tr>
<td>Max. Pull-in Pulse Rate</td>
<td>710pps</td>
</tr>
</tbody>
</table>

**CHARACTERISTICS**

![Graph of Torque vs. Pulse Rate for M35SP-7 (8Ω, 6V DC)](image1)

![Graph of Torque vs. Pulse Rate for M35SP-7 (50Ω, 24V DC)](image2)

**DIMENSIONS**

![Dimensional Diagram](image3)

Unit: mm, General tolerance: ±0.5