**GEEPLUS**

**VM102P2**

P_{100} is the continuous (100% ED) excitation power at which the coil attains temperature $T_{\text{max}}$ with the part mounted to a massive heatsink at 20°C.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Resistance $R_{20}$</th>
<th>Inductance</th>
<th>Force Constant</th>
<th>Velocity Constant</th>
<th>Current $I_{100}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>VM102P2-710</td>
<td>2.1 Ω</td>
<td>0.6 mH</td>
<td>35 N/A</td>
<td>35 Vs/m</td>
<td>6.0 A</td>
</tr>
<tr>
<td>VM102P2-475</td>
<td>10.5 Ω</td>
<td>3.0 mH</td>
<td>78 N/A</td>
<td>78 Vs/m</td>
<td>2.7 A</td>
</tr>
<tr>
<td>VM102P2-355</td>
<td>33.4 Ω</td>
<td>9.5 mH</td>
<td>138 N/A</td>
<td>138 Vs/m</td>
<td>1.5 A</td>
</tr>
</tbody>
</table>

**Total Mass** 4200 g  
**Coil Mass** 325 g

This part does not include bearings - guidance should be provided in customer application to maintain clearance between coil and magnet assembly.

**Force (N) vs Displacement (mm)**

- 1488 A-t (100% ED)
- 2976 A-t (25% ED)
- 4487 A-t (12% ED)

**Max 'ON' time**  
- 100% ED: $\infty$  
- 50% ED: 100 s  
- 25% ED: 35 s  
- 10% ED: 12 s

**Peak Force**  
- 208.0 N  
- 297.0 N  
- 430.0 N  
- 645.0 N

Geeplus reserves the right to change specifications without notice.

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