**GEEPLUS**

**VM2436**

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

- $P_{100}$: 12.5 W
- $T_{max}$: 130 °C
- Total Mass: 95 g
- Coil Mass: 9 g

<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>VM2436-375</td>
<td>1.0 Ω</td>
<td>0.2 mH</td>
<td>0.7 N/A</td>
<td>0.7 Vs/m</td>
<td>2.99 A</td>
</tr>
<tr>
<td>VM2436-180</td>
<td>17.8 Ω</td>
<td>3.6 mH</td>
<td>2.9 N/A</td>
<td>2.9 Vs/m</td>
<td>708 mA</td>
</tr>
<tr>
<td>VM2436-112</td>
<td>107.0 Ω</td>
<td>22.0 mH</td>
<td>6.7 N/A</td>
<td>6.7 Vs/m</td>
<td>289 mA</td>
</tr>
</tbody>
</table>

Max 'ON' time | Peak Force
---|---
100% ED | ∞ | 2.7 N
50% ED | 22 s | 3.8 N
25% ED | 9 s | 5.2 N
10% ED | 3 s | 7.5 N

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) [outwards direction]**

Geeplus reserves the right to change specifications without notice

[www.geeplus.biz](http://www.geeplus.biz) e-mail: info@geeplus.biz