The HAP56 actuator is designed to generate linear vibration when energised with an AC signal. It will develop a high force over displacement of 3-4mm for excitation power of only a few watts. It can be used to generate tactile feedback for MMI applications, or as a motion generator for linear conveyors / component feeders.
Vibration Actuator

- $P_{100}$: 2.5 W
- $T_{\text{max}}$: 80 °C
- Total Mass: 150 g
- Moving Mass: 52 g

$P_{100}$ 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.

The VIBRO1 incorporates a HAP56 actuator in an easily mounted cast body with steel flexures for support. The VIBRO1 facilitates simple implementation of small vibratory assemblies.

### Parameters

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Resistance $R_{\Omega}$</th>
<th>Inductance $\text{mH}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIBRO1-10</td>
<td>10.0Ω</td>
<td>0.6 mH</td>
</tr>
</tbody>
</table>

### Mounting Holes

- 4 x mounting holes in each face are M3 x P0.5, maximum 3 deep.

### Steel Flexure 87-1044

The steel flexure 87-1044 can be used to provide support to vibrating loads driven by the VIBRO1 or HAP56 actuator devices. Either end should be securely clamped between flat surfaces.

Geeplus reserves the right to change specifications without notice.

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