Electromagnetic motion tracking system works by using one low frequency isotropic magnetic field generator and one or several isotropic 3D magnetic sensors. 3D coils have huge flexibility in terms of customization and setup to fulfill the application needs or environment changes. This is the smallest 3D coil in the market allowing to be used for very small volumes to be traced.

- Size 7x7x2.3 mm
- SMD solution
- Suitable for AOI
- High stability in temperature (-40 ºC to +85 ºC)
- Labelled to allow P&P operations
- Same sensitivity in the three axis.

**01 CHARACTERISTICS**

### FEATURES

- SMD 3D Coil
- 7x7x2.3 mm
- Rx EM MOTION TRACKING SENSORS

### 3DV06

- NEW
- SMD 3D Coil
- 7x7x2.3mm
- Rx: EM MOTION TRACKING SENSORS

### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Lx,y,z nom (mH)</th>
<th>Qx,y,z nom</th>
<th>f (kHz)</th>
<th>SRFx,y (kHz) Max</th>
<th>SRFz (kHz) Max</th>
<th>DCRx (Ohm) Min</th>
<th>DCRy (Ohm) Min</th>
<th>DCRz (Ohm) Min</th>
<th>Sensit. x,y,z (mV/A/m) Min (*)</th>
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</thead>
<tbody>
<tr>
<td>3DV06-A-0100J</td>
<td>1.0 / 1.0 / 5.8</td>
<td>3.4/3/3</td>
<td>20</td>
<td>1000</td>
<td>1000</td>
<td>40</td>
<td>44</td>
<td>260</td>
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<td>3DV06-A-0340J</td>
<td>3.4/3.4 / 10.2</td>
<td>3.5/3/4.0</td>
<td>20</td>
<td>500</td>
<td>750</td>
<td>130</td>
<td>145</td>
<td>375</td>
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(*) Ask for sensitivity test set up and recommendations