**FEATURES**

- Transmitting low frequency.
- LF emitter antenna assembly by external housing + LPM process.
- The connector integrated in the external housing plastic.
- Shape H bridge (best performance electrical on metal surfaces).
- Strong anchor points which provide an easy assembly and will ensure mechanical robustness.
- IP56 grade waterproof.
- IP56 grade waterproof.

**ELECTRICAL PARAMETERS**

- Resonant frequency LF L+C in serial: Custom LC value under demand
- Capacitor type SMD NPO/COG 630Vdc
- Fine adjust the tank resonant frequency L+C. Max tolerance
  Vs fmax: ±2kHz @ [-40ºC to 85ºC].
- Ipp max: ±2 App
- High stability in temperature (-40ºC up to +85ºC).
- Reliability test: This part is according to AEC-Q200 Revision C.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>L Inductance ±5%</th>
<th>C Capacitor ±5%</th>
<th>Freq. (kHz)</th>
<th>Zimp@fo (Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KGEA-HB-B-0240J</td>
<td>240μH</td>
<td>6.8nF</td>
<td>125.0</td>
<td>&lt;1.5</td>
</tr>
<tr>
<td>KGEA-HB-C-0205J</td>
<td>205μH</td>
<td>6.8nF</td>
<td>134</td>
<td>&lt;1.5</td>
</tr>
</tbody>
</table>

**ELECTRICAL SPECIFICATIONS**

- Measuring Equipment: Torque DB25N Range: 3-25Nm. Accuracy:
  - ±5%
  - ±1%
- Materials used:
  - Support: Aluminum sheet.
  - Nut: M6 DIN 6923 galvanized
  - Washer: M6x20-25 DIN 6796
- S/N 329485D  Ds: 0.5Nm

**NOTE:** Using as referenced the nut model indicated below figure, we recommend screwing torque on anchor of the box of 8Nm maximum.

- Tolerances not indicates according iso2768-m
- Measuring Equipment: Torque DB25N Range: 3-25Nm. Accuracy:
- Nut model indicated below figure, we recommend screwing torque on anchor of the box of 8Nm maximum.

**DIMENSIONS (mm)**

**SCHEMATIC DIAGRAM**

**CONNECTOR PIN LAYOUT**

**MECHANICAL NOTES**

1. All dimensions are in mm.
2. The external housing and cover is closed-sealed by ultrasonic welding.
3. Plastic Material: PBT-GF30%.