WC-RX-002-90K

Receiving antenna flexible-pad for the wireless power transfer in the electric vehicles

WIRELESS CHARGING ANTENNAS

01 CHARACTERISTICS

- Electrical insulation, magnetic flexible-core and coil integrated in a single pad.
- Excellent dissipation of impact energy.
- The PBM increased coupling factor “K”.
- Flexible magnetic core-shape.
- High electrically insulated.

02 DIMENSIONS

The housing of this pad is made of magnetic powder in a polymer matrix or PBM (Polymer Bonded Magnetics).

- Resonance frequency around 85 kHz.
- Wireless Power Transfer class 2 (7.7 kW).
- Z-class 2 (VA coil ground clearance range: 140-210 mm).
- Interoperability with ground assembly classes WPT1 through WPT3.
- Compatibility with ground assembly classes Z2 and Z3.
- The mechanical dimensions have been designed based on SAE International WPT2/Z2 proposals.

ELECTRICAL PARAMETERS

<table>
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<tr>
<th>L_GA min [μH]</th>
<th>L_GA max [μH]</th>
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<td>42.1</td>
<td>43.7</td>
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DIMENSIONS (mm):

- Width: 350 ±2 mm
- Height: 360.2 mm
- Thickness: 150 ±10 mm