Wireless Charging

NFC Antenna Combo Rx (Receiving) Coil Units

WR524830-16F3-NF-G
WR524825-17M6-NF-G
Overview of NFC Antenna Combo Rx Coil Units

FEATURES
- Receiving coils with wireless charging and NFC (Near Field Communication) antenna.
- Pre cracked ferrite is available for durable construction.
- Flexible sheet type is available.
- Custom design is available based on each design requirements.

APPLICATION
Smartphones, cellular phones, handheld mobile terminals, and DSCs

PART NUMBER CONSTRUCTION

<table>
<thead>
<tr>
<th>W</th>
<th>R</th>
<th>5248</th>
<th>30</th>
<th>16</th>
<th>F3</th>
<th>NF</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless charging</td>
<td>Category</td>
<td>LxW Dimensions (mm)</td>
<td>Sheet thickness (mm)</td>
<td>Coil turns</td>
<td>Material</td>
<td>NFC antenna combo</td>
<td>Internal code</td>
</tr>
<tr>
<td>R</td>
<td>Rx</td>
<td>5248</td>
<td>52.0x48.0</td>
<td>30</td>
<td>0.30</td>
<td>25</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Halogen-free: Indicates that Cl content is less than 900ppm, Br content is less than 900ppm, and that the total Cl and Br content is less than 1500ppm.
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■ SHAPE & DIMENSIONS

Dimensions in mm

■ ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>CHARACTERISTICS SPECIFICATION TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LxW Dimensions (mm)</td>
</tr>
<tr>
<td>---------------------</td>
</tr>
<tr>
<td>52.0 x 48.0</td>
</tr>
</tbody>
</table>

* Contact us for more information.

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.
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### SHAPE & DIMENSIONS

![Dimensions diagram](image)

Dimensions in mm

### ELECTRICAL CHARACTERISTICS

#### CHARACTERISTICS SPECIFICATION TABLE

<table>
<thead>
<tr>
<th>LxW Dimensions (mm)</th>
<th>Thickness (mm)max.</th>
<th>Efficiency* (%ref.)</th>
<th>Wireless charging</th>
<th>NFC antenna</th>
<th>DC resistance (Ω)max.</th>
<th>DC resistance (Ω)max.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inductance (µH) [100kHz, 1Vrms]</td>
<td>Inductance (µH) [1MHz, 1Vrms]</td>
<td>[25°C]</td>
<td>[1MHz, 1Vrms] [25°C]</td>
</tr>
<tr>
<td>52.0x48.0</td>
<td>0.52</td>
<td>69</td>
<td>16.8</td>
<td>1.95</td>
<td>0.75</td>
<td>0.52</td>
</tr>
</tbody>
</table>

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