2.4, 5 GHz Flexible and PCB Antennas

Designed for fast and easy integration into wireless devices at minimal implementation cost, side and center-fed cable Flexible Antenna enable high-performance RF transmission for the most demanding Wi-Fi applications.

Features and Advantages

- Double sided TESA adhesive
  - Enables easy “peel and stick” mounting

- Self adhesive mounting on metal and non-metal surface
  - Enables instant application anywhere on the device

- Micro-coaxial cable, 100mm
  - Ensures optimum RF performance for easy connectivity to radio devices

- UFL-type connector
  - Secures to the application’s device radio

- Solder pad for Ground
- Solder pad for Core

- UFL-type connector
  - Secures to the application’s device radio

- Self adhesive mounting on metal and non-metal surface
  - Enables instant application anywhere on the device

- Micro-coaxial cable, 100mm
  - Ensures optimum RF performance for easy connectivity to radio devices

- UFL-type connector
  - Secures to the application’s device radio

- Double sided TESA adhesive
  - Enables easy “peel and stick” mounting

- Highly compact, side-fed monopole antenna
  - Offers significant space savings while supporting high-performance needs

- Cable and connector can be customized
  - Provides design flexibility

- UFL-type connector
  - Secures to the application’s device radio

2.4, 5GHz MIMO 2x2 Flexible Antenna (Series 208482)

2.4, 5 GHz Wi-Fi Flexible Antenna, 15.00 by 6.00mm, Monopole, Side-fed (Series 206994)

2.4, 5 GHz Wi-Fi Flexible Antenna, Monopole, Center-fed (Series 206995)
2.4, 5 GHz Flexible and PCB Antennas

**Features and Advantages**

- **Easy peel and stick**
  Enables instant application on non-metal surface

- **Highly compact**
  Offers significant space savings while supporting high performance needs

- **Topside of the poly-flexible antenna**
  Makes for easy peel-and-stick mounting anywhere within the device chassis

- **Rigid PCB antenna with two holes on both sides**
  For screw-nut mounting

- **Micro-coaxial cable**
  (50, 100, 150, 200, 250, 300mm options)
  Extends connectivity for maximum design flexibility

- **UFL-type connector**
  Secures to the application’s device radio

- **2.4, 5 GHz Wi-Fi Flexible Antenna**
  (Series 211996)

- **5.9GHz FLEXIBLE ANTENNA**
  (Series 211996)

- **2.4, 5 GHz Wi-Fi PCB Antenna**
  (Series 146187)

- **2.4, 5 GHz Wi-Fi Flexible Antenna**
  (Series 146153)

**Applications**

- **Consumer**
  Connected Home
  Smart Home

- **Automotive**
  Connected Vehicle
  Comfort and Infotainment

- **Industrial**
  Smart Cities
  Connected Home
## Specifications

### REFERENCE INFORMATION
- Reference Information
- Packaging: PET Film
- Mates with: Surface-mount, micro-coaxial jack receptacle (Series: 73412)
- Designed In: Millimeters
- RoHS: Yes
- Halogen Free: Yes
- Glow Wire Capable: No

### ELECTRICAL
- RF Power (Watt): 2
- Return Loss: < -10 dB
- Average Total Radiation Efficiency (%): Refer to Product Specifications
- Peak Gain (dBi): Refer to Product Specifications
- Input Impedance (ohms): 50

### MECHANICAL
- Refer to Product Specifications

### PHYSICAL
- Material: Flexi (146153, 204281, 208482, 206994 and 211996); FR4 PCB (146187 and 206995)
- Plating: Refer to Sales Drawings
- Operating Temperature: -30 to +85°C
  -40 to +85°C (206995, 208482, 211996)

## Ordering Information

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Substrate</th>
<th>Cable Feed</th>
<th>Dimensions (mm)</th>
<th>Cable Lengths (mm)</th>
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<tbody>
<tr>
<td>206994</td>
<td>Flexi material</td>
<td>Side</td>
<td>15.00 by 6.00</td>
<td>100</td>
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<tr>
<td>206995</td>
<td>PCB (FR4)</td>
<td>Center</td>
<td>20.50 by 20.50 by 3.00</td>
<td>150</td>
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<tr>
<td>208482</td>
<td>Flexi material</td>
<td>Center</td>
<td>55.20 by 19.20 by 0.16</td>
<td>100, 150, 200</td>
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<td>204281</td>
<td>Flexi material</td>
<td>Side</td>
<td>35.00 by 11.00 by 0.10</td>
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<tr>
<td>146153</td>
<td>Flexi material</td>
<td>Center</td>
<td>34.90 by 9.00 by 0.10</td>
<td>50, 100, 150, 200, 250, 300</td>
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<tr>
<td>146187</td>
<td>PCB (FR4)</td>
<td>Center</td>
<td>40.95 by 9.00 by 0.70</td>
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<td>211996</td>
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<td>Center</td>
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Order No. 987651-6901 Rev. 5

APS/0k/GF/2019.05

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