

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

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

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

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

Solder pad for Core

Solder pad for Ground

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

Rigid PCB antenna with two holes on both sides for screw-nut mounting
Offers more robust securing of antenna to device chassis in rugged applications

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

2.4, 5 GHz Wi-Fi PCB Antenna, Fully Balanced, Dipole-style, Center-fed (Series 146187)

2.4, 5 GHz Wi-Fi Flexible Antenna, Fully Balanced, Dipole-style, Center-fed (Series 146153)

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

Double-sided adhesive on the antenna reverse
Enables instant application anywhere on the inner wall of the device chassis by just removing its tape liner

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

2.4, 5 GHz Wi-Fi Flexible Antenna, Fully Balanced, Dipole-style, Side-fed (Series 204281)

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Applications

Consumer

- Connected Home
- Smart Home

Automotive

- Connected Vehicle
- Comfort and Infotainment

Industrial

- Smart Cities



Connected Home



Smart Cities

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 Compliant: 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 (206994, 204281, 146187);
 FR4 PCB (146153)
 Plating:
 Refer to Sales Drawings
 Operating Temperature: -30 to +85°C

Ordering Information

Series No.	Substrate	Cable Feed	Dimensions (mm)	Cable Lengths (mm)
206994	Flexi material	Side	15.00 by 6.00	100
204281	Flexi material	Side	35.00 by 11.00 by 0.10	50
				100
				150
				200
				250
				300
146153	Flexi material	Center	34.90 by 9.00 by 0.10	50
				100
				150
				200
				250
				300
146187	PCB (FR4)	Center	40.95 by 9.00 by 0.70	50
				100
				150
				200
				250
				300

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