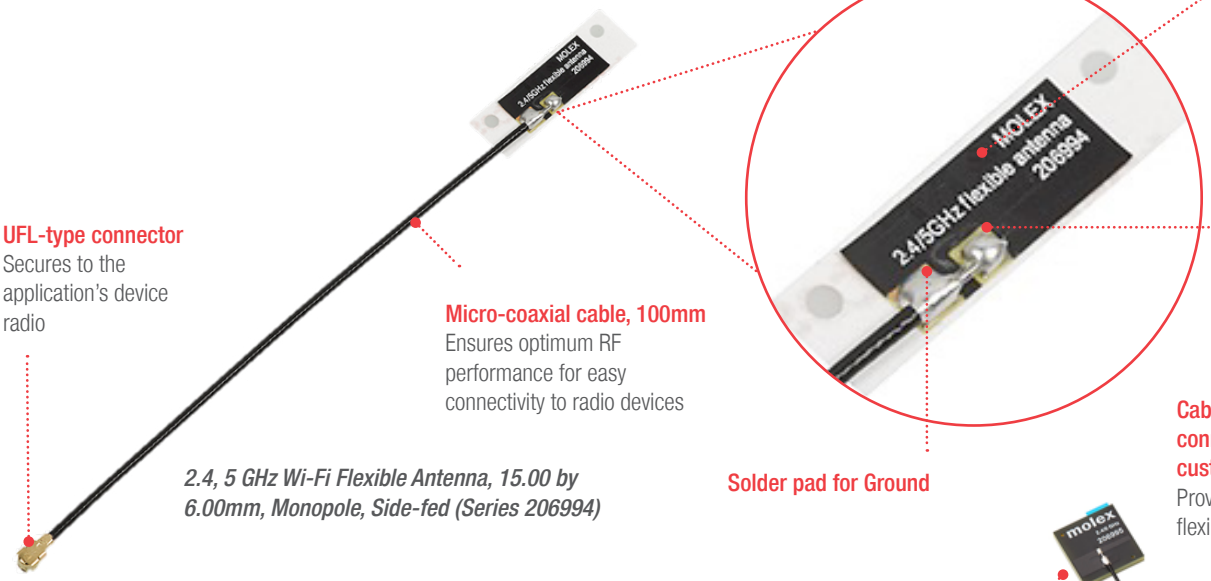
2.4, 5 GHz Flexible and PCB Antennas

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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



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

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

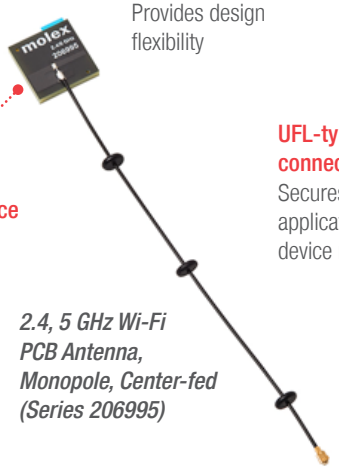
Micro-coaxial cable, 100mm
Ensures optimum RF performance for easy connectivity to radio devices

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)

Cable and connector can be customized
Provides design flexibility



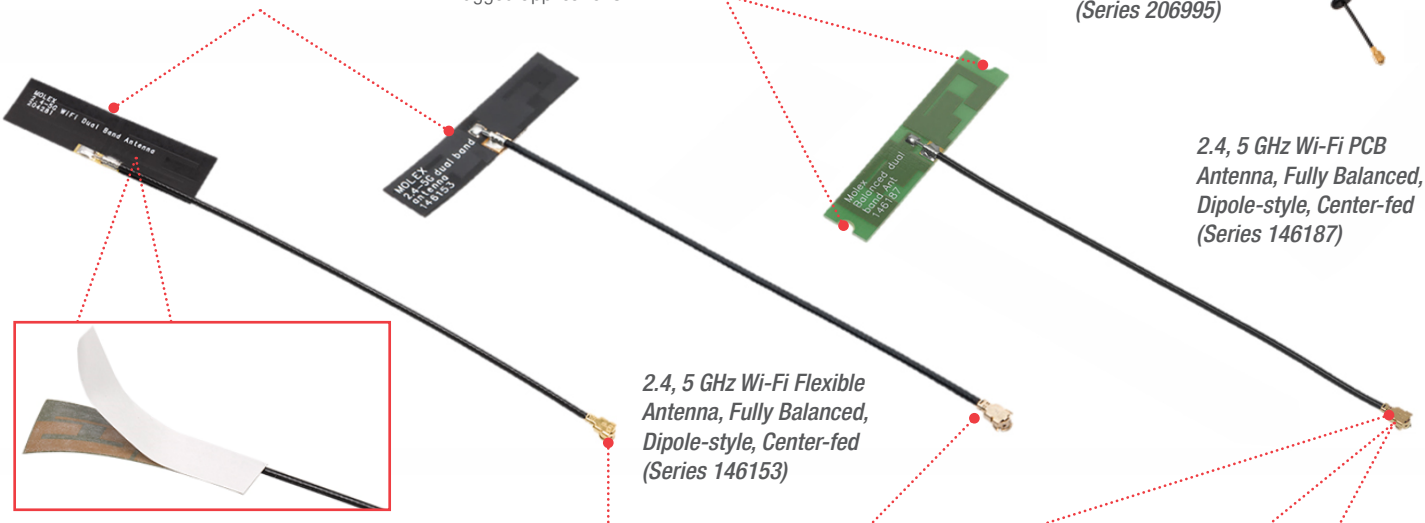
Self adhesive mounting on metal and non-metal surface
Enables instant application anywhere on the device

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

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

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
Offers more robust securing of antenna to device chassis in rugged applications



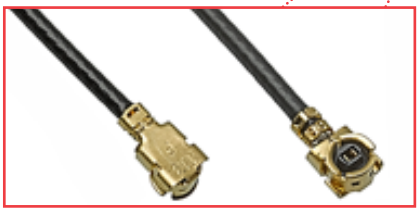
2.4, 5 GHz Wi-Fi PCB Antenna, Fully Balanced, Dipole-style, Center-fed (Series 146187)

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

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

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

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 Flexible and PCB Antennas

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

Ordering Information

Series No.	Substrate	Cable Feed	Dimensions (mm)	Cable Lengths (mm)
206994	Flexi material	Side	15.00 by 6.00	100
206995	PCB (FR4)	Center	20.50 by 20.50 by 3.00	150
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

www.molex.com/link/standard_antennas.html

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Order No. 987651-6901 Rev. 2 APS/0k/GF/2018.10

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