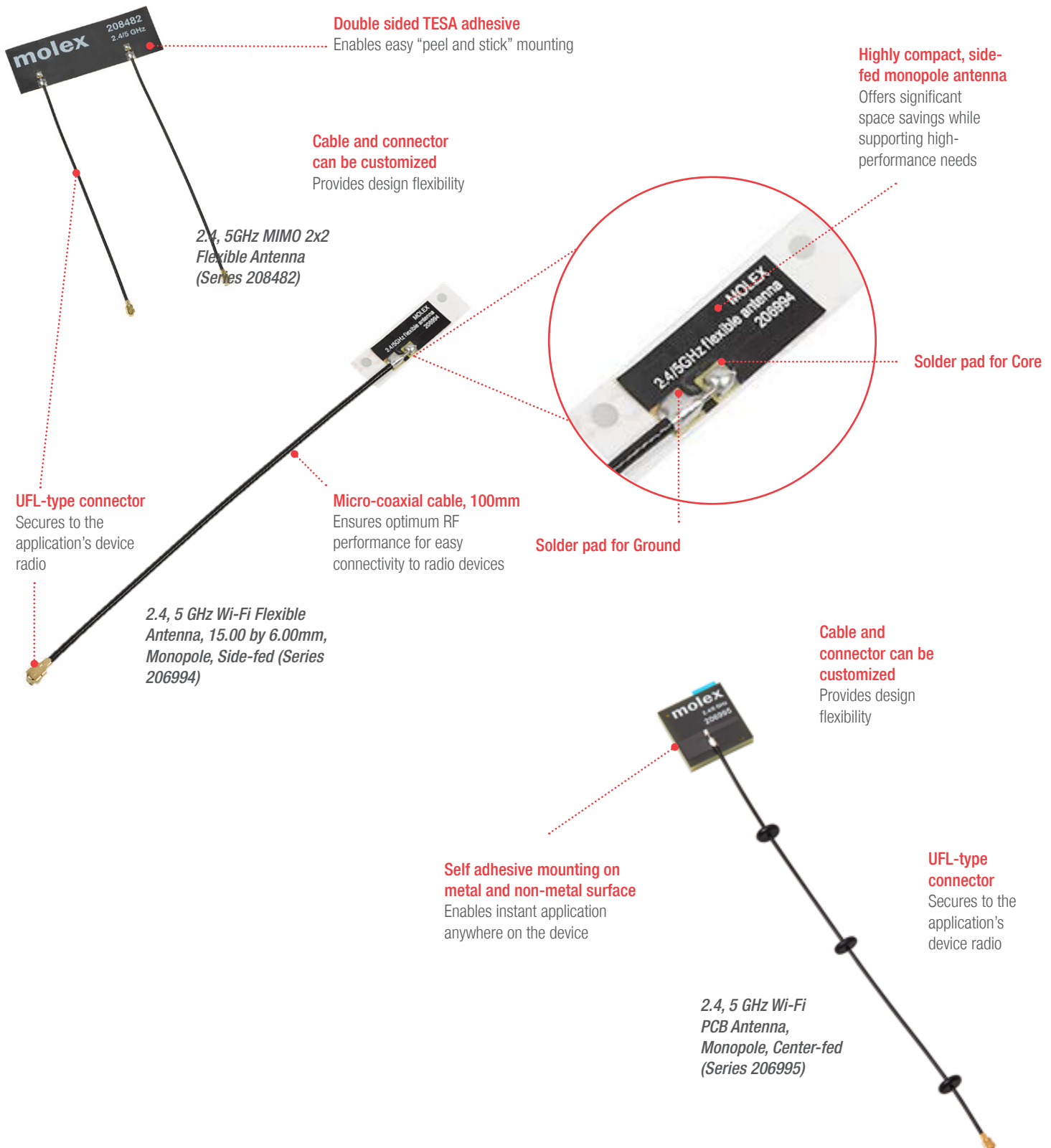


2.4, 5 GHz Flexible and PCB Antennas



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



2.4, 5 GHz Flexible and PCB Antennas



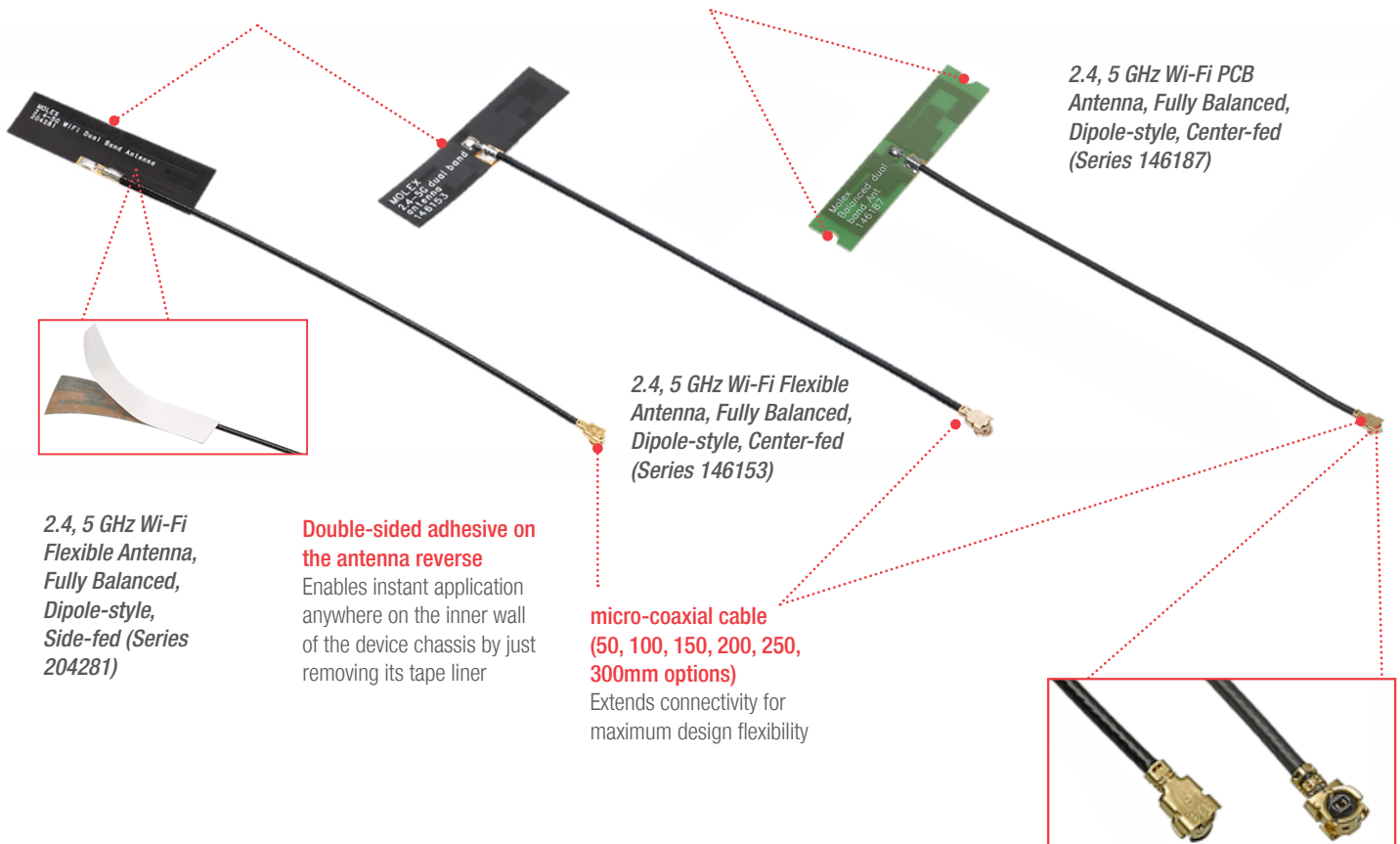
Features and Advantages

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)

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

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

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

Applications

Consumer

- Connected Home
- Smart Home

Automotive

- Connected Vehicle
- Comfort and Infotainment

Industrial

- Smart Cities



Connected Home



Smart Cities

2.4, 5 GHz Flexible and PCB Antennas



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 and 206994);
 FR4 PCB (146187 and 206995)
 Plating:
 Refer to Sales Drawings
 Operating Temperature: -30 to +85°C
 -40 to +85°C (206995, 208482)

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
208482	Flexi material	Center	55.20 by 19.20 by 0.16	100, 150, 200
204281	Flexi material	Side	35.00 by 11.00 by 0.10	50
				100
				150
				200
				250
146153	Flexi material	Center	34.90 by 9.00 by 0.10	300
				50
				100
				150
				200
146187	PCB (FR4)	Center	40.95 by 9.00 by 0.70	250
				100
				150
				200
				300

www.molex.com/link/standard_antennas.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.