

2.4/5GHz Balanced Flex and PCB Antennas



Designed for fast and easy integration into Wi-Fi devices at minimal implementation cost, this side-fed cable Flexible Antenna enables balanced RF transmission independent of cable length variations

Features and Benefits

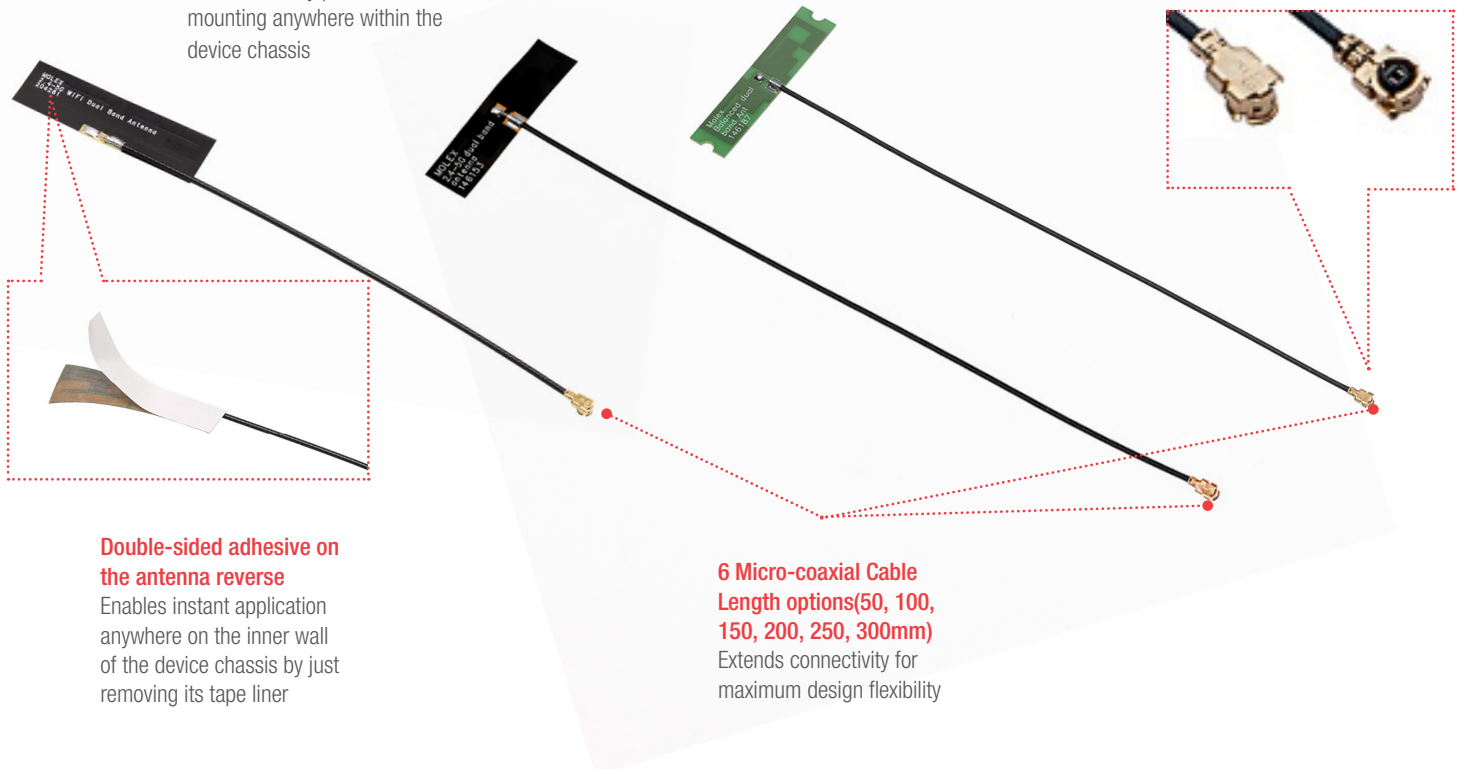
Series 204281 Side-fed cable Flexible Antenna

Series 146153 Center-fed Flexible Antenna

Series 146187 Center-fed PCB Antenna

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

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



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

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

Applications

Consumer

- Home Automation
- Home Office
- Home Security
- Home Streaming Entertainment

Automotive

- Connected Vehicle
- Comfort and Infotainment

Industrial

- Connectivity
- Custom Solutions



Smartmeters



Infotainment System

2.4/5GHz Balanced Flex 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 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 (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)
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