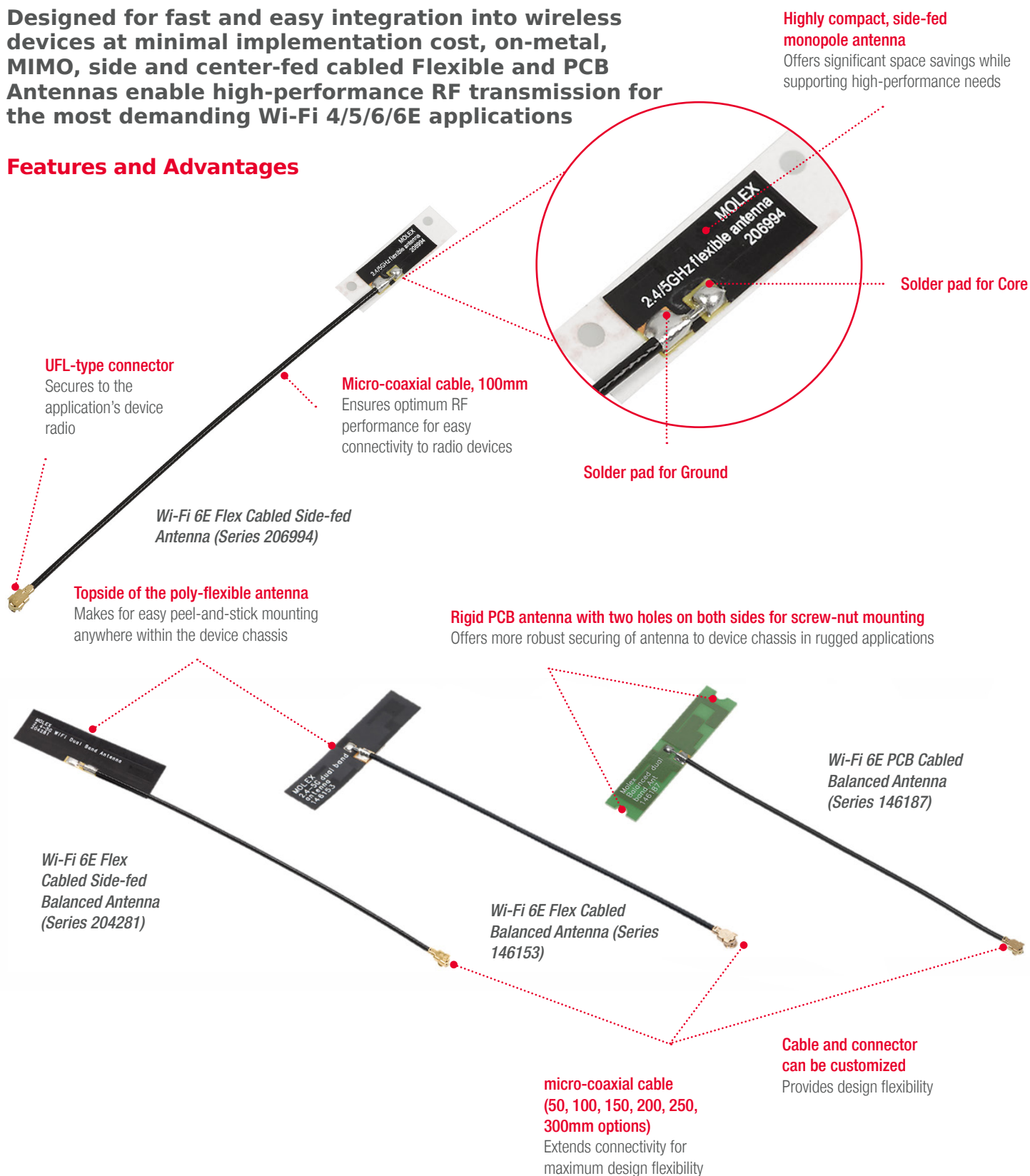


Wi-Fi Flexible and PCB Antennas

molex

Designed for fast and easy integration into wireless devices at minimal implementation cost, on-metal, MIMO, side and center-fed cabled Flexible and PCB Antennas enable high-performance RF transmission for the most demanding Wi-Fi 4/5/6/6E applications

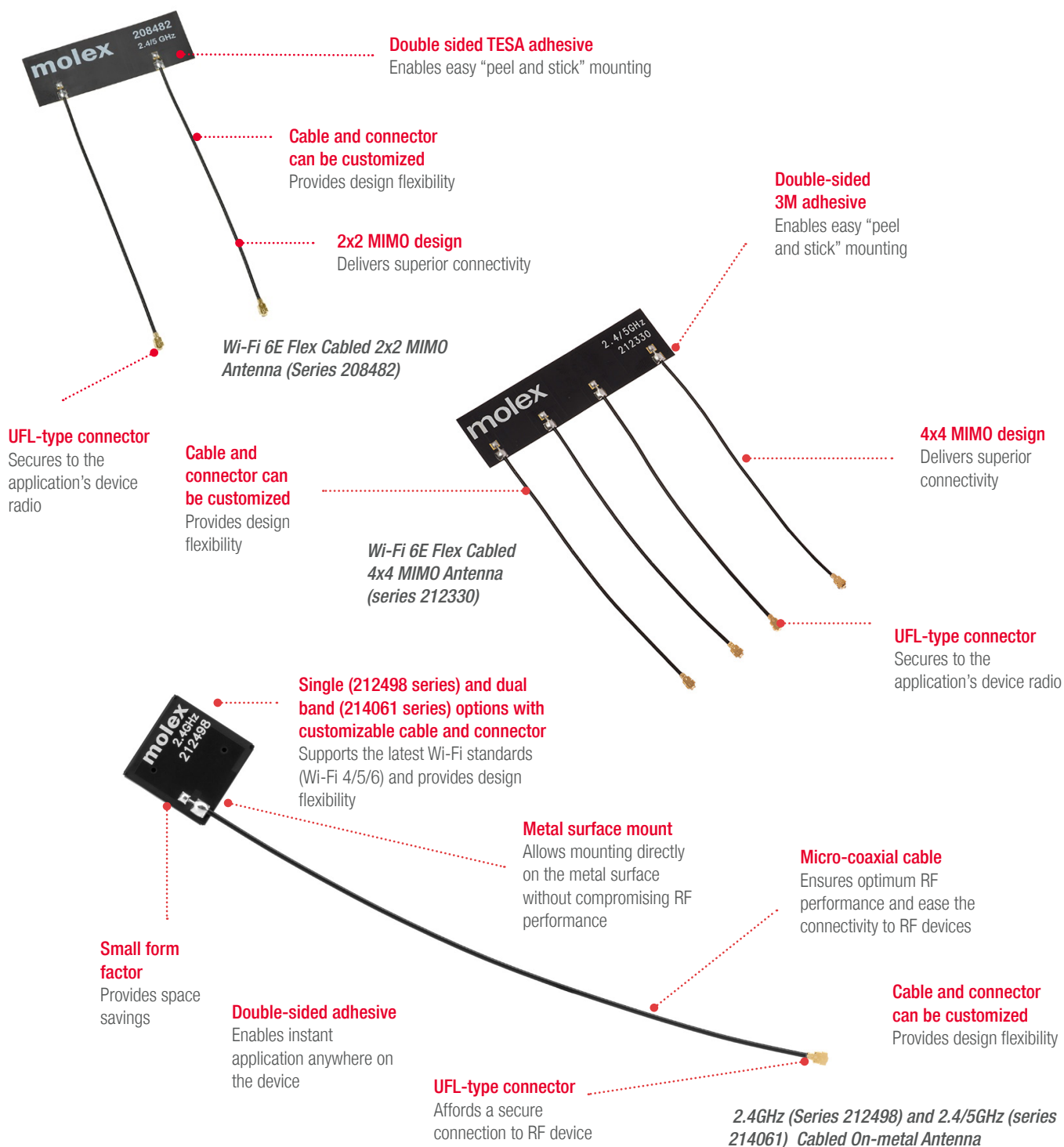
Features and Advantages



Wi-Fi Flexible and PCB Antennas

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Features and Advantages



Wi-Fi Flexible and PCB Antennas

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Applications

Consumer

Connected Home
Smart Home
White goods
Smart lighting

Automotive

Connected Vehicle
Comfort and Infotainment

Industrial

Smart Cities

Medical

Connected diagnostics
Connected health



Connected Home



Smart Cities



Infotainment

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:
Refer to Product Specifications
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, 208482, 212330, 146186)
Plastic (212498, 214061);
FR4 PCB (146153, 146220)
Plating:
Refer to Sales Drawings
Operating Temperature: -30 to +85°C
-40 to +85°C (206995, 208482, 212330)

Ordering Information

Series No.	Standard	Substrate	Cable Feed	Dimensions (mm)	Cable Lengths (mm)
212498	Legacy Wi-Fi 1/2/3	Plastic	Side	20.20 by 20.20	100, 150, 200*
214061	Wi-Fi 4/5/6	Plastic	Side	20.20 by 20.20	100, 150, 200*
206994	Wi-Fi 4/5/6/6E	Flexi material	Side	15.00 by 6.00	100**
208482	Wi-Fi 4/5/6/6E	Flexi material	Center	55.20 by 19.20 by 0.16	100, 150, 200*
204281	Wi-Fi 4/5/6/6E	Flexi material	Side	35.00 by 11.00 by 0.10	50, 100, 150, 200, 250, 300*
146153	Wi-Fi 4/5/6/6E	Flexi material	Center	34.90 by 9.00 by 0.10	50, 100, 150, 200, 250, 300*
146187	Wi-Fi 4/5/6/6E	PCB (FR4)	Center	40.95 by 9.00 by 0.70	50, 100, 150, 200, 250, 300*
212330	Wi-Fi 4/5/6/6E	Flexi material	Center	70.00 by 20.00	100, 150, 200*
146186	Wi-Fi 4/5/6/6E + GNSS	Flexi material	Center	53.00 by 18.00	100, 150, 200, 250, 300*
146220	Wi-Fi 4/5/6/6E + GNSS	PCB	Center	53.00 by 16.60	100, 150, 200, 250, 300*

* Cable and connector can be customized

** Connector can be customized

www.molex.com/link/antenna_iot.html

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