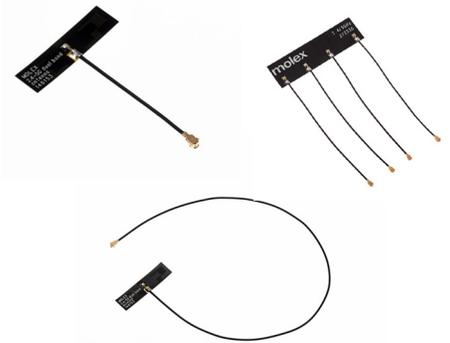


Automotive-Grade Wi-Fi6E, UWB and Cellular Monopole Low-Profile Antennas >

Off-the-Shelf Automotive-Grade Wi-Fi6E, UWB and Cellular Monopole Low-Profile Antennas, available in various configurations, offer high RF performance and reliability for in-vehicle connectivity applications.



Automotive-Grade Wi-Fi 6E Flex Antennas

FEATURES AND ADVANTAGES

Top Side of the Poly-Flexible Antenna

Micro-coaxial cable

Double-Sided Adhesive on the Reverse

Top- and Underside-Views of the I-PEX Connector

Upon removal of its tape liner, the antenna can be applied anywhere within the device chassis. The I-PEX connector at the extreme end of the antenna is secured to the application's device radio (not shown in the illustration).

Dual-Band antenna with up to 5.3 dBi peak gain and 80% efficiency
Provides strong and stable wireless connection

Dual-Band Wi-Fi Antennas

I-PEX-type connector
Secures to the application's device radio and provides space savings

Wi-Fi Antenna, I-PEX Type

MARKETS AND APPLICATIONS

Automotive

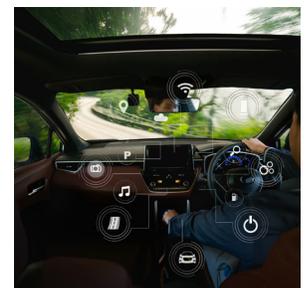
Wi-Fi/Bluetooth devices
Cellular connectivity

Commercial Vehicles

Networking Devices



In-Vehicle Networking Devices



In-Vehicle Wi-Fi/Bluetooth Devices

Automotive-Grade Wi-Fi6E, UWB and Cellular Monopole Low-Profile Antennas >

SPECIFICATIONS

Order No.	Flexi-Antenna Dimensions (mm)	Miniature Coaxial Cable Lengths (mm)	Frequency Range (GHz)	100.00mm Return Loss S11 (db)	100.00mm Peak Gain (dBi)	100.00mm Total Efficiency (%)
1461539xxx	34.90 by 9.00	50.00, 100.00, 150.00, 200.00, 250.00, 300.00	2.40 to 2.50	< -10	3	> 75
			5.15 to 5.85	< -10	4	> 75
			5.925 to 7.125	< -10	5.5	> 70
2084829xxx	55.20 by 19.20	100.00 150.00 200.00	2.40 to 2.50	Port1 < -8 Port2 < -9	Port1 2.9 Port2 3.4	Port1 > 65 Port2 > 75
			5.15 to 5.85	Port1 < -13 Port2 < -13	Port1 5.0 Port2 5.9	Port1 > 75 Port2 > 70
			5.925 to 7.125	Port1 < -8 Port2 < -10	Port1 4.4 Port2 5.1	Port1 > 65 Port2 > 65
2123309xxx	70.00 by 20.00	100.00 150.00 200.00	2.40 to 2.50	Port1 < -10 Port2 < -10 Port3 < -10 Port4 < -10	Port1 2.4 Port2 2.6	Port1 > 55 Port2 > 55
					Port3 3.0 Port4 3.5	Port3 > 50 Port4 > 55
			5.15 to 5.85	Port1 < -10 Port2 < -9	Port1 3.3 Port2 2.3	Port1 > 70 Port2 > 65
				Port3 < -10 Port4 < -10	Port3 3.4 Port4 3.9	Port3 > 70 Port4 > 65
			5.925 to 7.125	Port1 < -10 Port2 < -5	Port1 5.2 Port2 2.9	Port1 > 65 Port2 > 55
				Port3 < -10 Port4 < -5	Port3 6.1 Port4 6.3	Port3 > 60 Port4 > 55
1461849xxx	47.00 by 17.60	50.00, 100.00, 150.00, 200.00, 250.00, 300.00	3.00 to 6.00	< -6	4.5	> 70
2119969xxx	16.40 by 7.60	50.00, 100.00, 150.00, 200.00, 250.00, 300.00	5.80 to 6.00	< -10	5.5	> 75
			5.15 to 5.85	< -5	6.4	> 70
2079019xxx	147.00 by 25.00	50.00, 100.00, 150.00, 200.00, 250.00, 300.00	0.60 to 0.96	< -3	2.6	> 70
			1.50 to 3.00	< -5	4.9	> 65
			3.00 to 6.00	< -5	5.4	> 70

www.molex.com/link/standard_antennas.html