



mFlexPIFA™

Flexible, adhesive-backed PIFA antenna, optimized for placement near metal

This industry-first flexible PIFA (patented) antenna design is specifically designed for installation on metal surfaces. The antenna can be placed directly on curved or straight metal surfaces and provides the best possible antenna gain and performance.

- Specifically tuned for direct mounting to metal surfaces
- Ability to be flexed in either concave or convex directions without sacrificing antenna performance, providing more flexibility in placement of antenna.
- Small size and adhesive-backing give further mounting flexibility within your product design
- Both 2.4 GHz and Dual-Band 2.4/5.5 GHz antennas available to best address your technical application

Note: This product brief is preliminary. Details are subject to change.

www.lairdtech.com | 262.375.4400



Practical Applications:

- Ideal for embedded applications with metal enclosures / components
- Mounting on curved surfaces



mFLEXPIFA 2.4 GHZ ANTENNA PERFORMANCE

SPECIFICATION	VALUE
Peak Gain	+2 dBi
Average Gain	> -4.2 dB
VSWR	< 3.0:1, 2400 - 2480 MHz
Impedance	50 Ω
Weight	1.8g
Size	25.4mm x 23.4mm x 2.5mm
Connector Type	U.FL cable
Operating Temp	-40°C to +85°C

For full specifications on 2.4 GHz and 2.4/5.5 GHz mFlexPIFA, please refer to datasheet.

ORDER INFORMATION

PART NUMBER	DESCRIPTION
001-0030	Antenna, 2.4 GHz mFlexPIFA
001-xxxx	Antenna, 2.4/5 GHz mFlexPIFA

These Laird products are all REACH and EU ROHS compliant.

LSR is the leader in Wireless Product Development, offering true end-to-end solutions through its array of services and technical expertise.



Design Services

LSR delivers complete system solutions from concept to manufacturing. We are your wireless M2M solutions partner, providing complete turnkey services and solutions.

- n RF Design/Engineering
- n Software/Firmware Design
- n Antenna Design
- n Industrial Design
- n Mechanical Engineering



EMC Testing & Certification

At LSR, we understand it is critical for your company to have a compliant product supported by the appropriate documentation, ready for deployment into the market. LSR provides the experience and knowledge to provide quality test services that meet your timeline and budget.

- On-Site FCC / IC /CE EMC Certification
- Wireless & Antenna Testing
- EMC Testing
- International Testing Services



Wireless Products

LSR offers the fastest, lowest cost way to add wireless capabilities to your product concept. LSR's fully-certified modules and antennas accelerate your time-to-market and support the full breadth of communication technologies, including:

- Wi-Fi*
- Bluetooth*
- Bluetooth* Smart
- ZigBee*
- 802.15.4 & proprietary protocols