

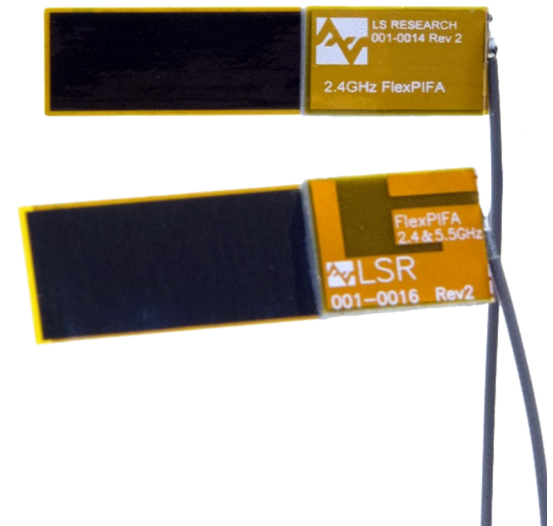


FlexPIFA™

Flexible, adhesive-backed PIFA Antenna

This industry-first flexible PIFA (patent-pending) antenna design delivers strong performance in challenging environments, providing you unmatched flexibility to solve your real-world antenna design challenges.

- PIFA design provides consistent performance across broad array of environments & enclosures - plastic, metal, or even body-worn applications
- 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



Practical Applications:

- Wearable Technology
- Performance within metal enclosures
- Mounting on curved surfaces

FlexPIFA 2.4 GHz Antenna performance

Specification	2.4 GHz FlexPIFA	2.4/5.5 GHz FlexPIFA
Peak Gain	+2 dBi	+2.5 dBi @ 2.4 GHz +3 dBi @ 5.5 GHz
Average Gain	> -2.3 dB	> -1.9 dBi @ 2.4 GHz > -4 dBi @ 5.5 GHz
VSWR	< 2.5:1, 2400 - 2480 MHz	<3.0:1, 2400 – 2480 MHz <3.0:1, 4900 – 5900 MHz
Impedance	50 Ω	50 Ω
Weight	1.13g	1.13g
Size	40.1 mm x 11 mm x 2.5mm	38.6mm x 12.7mm x 2.5mm
Connector Type	U.FL cable	U.FL or MH4L
Operating Temp	-40°C to +85°C	-40°C to +85°C

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

Order Information

Part Number	Description
001-0014	Antenna, 2.4 GHz FlexPIFA
001-0016	Antenna, 2.4/5.5 GHz FlexPIFA w/ U.FL Cable
001-0021	Antenna, 2.4/5.5 GHz FlexPIFA w/ MH4L Cable

These LSR 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.

- RF Design/Engineering
- Software/Firmware Design
- Antenna Design
- Industrial Design
- 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
- NFC and RFID
- Cellular, including LTE