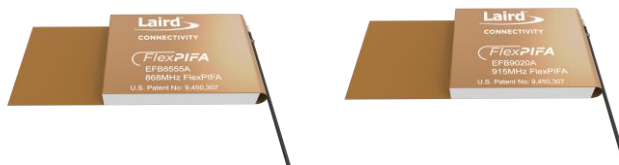


FLEXIBLE, PEEL-AND-STICK PIFA ANTENNA FOR SUB-GHZ APPLICATIONS



Our flexible PIFA (patented) antenna design delivers strong performance in challenging environments, providing you unmatched flexibility to solve your real-world antenna design challenges.

Our **868/915 MHz FlexPIFA antennas** operate in the sub-GHz frequency bands and are ideal for use with LoRaWAN or proprietary sub-GHz applications. Designed for rapid integration into devices and housings, the flexible, adhesive backed antennas are available with MHF1 and MHF4L connector options.

PIFA antenna technology provides consistent performance across the 868 and 915 MHz ISM bands, always ensuring a solid and reliable connection.

- **Coverage** – 863-870 MHz or 902-928 MHz Operation
- **Performance** – Exceptional performance across operating frequency
- **Versatile** – Flexible, peel-and-stick adhesive backed antenna for a variety of IoT devices.
- **Reliable** – PIFA technology is easy to integrate into IoT devices and less likely to detune in proximity of metal or a human body.
- **Quality** – Designed and built to exacting specifications.

ELECTRICAL SPECIFICATIONS	868 MHz FlexPIFA	915 MHz FlexPIFA
Operating Frequency (MHz)	863-870	902-928
VSWR (Max)	<2.5:1	<2.5:1
Peak Gain (dBi)	-1.1	-0.3
Nominal Impedance (Ohms)	50	50
Polarization	Linear	Linear
Radiation Pattern	Omnidirectional	Omnidirectional

MECHANICAL SPECIFICATIONS	
Antenna Type	Flexible Planar Inverted F (PIFA)
Dimensions – length x width x height – mm (inches)	88 x 40 x 6.2 (3.47 x 1.58 x 0.25)
Connector Options	MHF1 (U.FL) & MHF4L

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)

ORDERING INFORMATION

PART NUMBER	OPERATING FREQ.	CABLE LENGTH	CONNECTOR
EFB8555A3S-15MHF1	868 MHz	150 mm	MHF1 (U.FL)
EFB8555A3S-15MH4L	868 MHz	150 mm	MHF4L
EFB9020A3S-15MHF1	915 MHz	150 mm	MHF1 (U.FL)
EFB9020A3S-15MH4L	915 MHz	150 mm	MHF4L

APPLICATION AREAS



Industrial Automation



SCADA



Agriculture



Smart Transportation

Note: This product is currently in development, and this product brief is preliminary. All data and specifications are subject to change.