



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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The world's first Flexible PIFA antenna for Wi-Fi MIMO applications (patent pending). The FlexPIFA MIMO is specifically designed for 802.11 a/b/g/n as well as 802.11ac Wi-Fi modules that use MIMO or Wi-Fi Diversity. The flexible PIFA design provides for consistent performance across a broad array of enclosures and enables adhering the antenna to flat and curved surfaces. The FlexPIFA MIMO drastically simplifies the size, cost and technical requirements for implementing the two antennas required for 802.11 MIMO radio applications as the proper orientation and spacing between the two integrated antenna elements is already optimized for MIMO radio performance, giving you the best possible range and throughput.

FEATURES AND BENEFITS

- Two Integrated 2.4/5 GHz dual band elements specifically designed for 802.11 MIMO applications.
- Laird's Patented Flexible PIFA Antenna structure allows for the use of the antenna on flat and curved surfaces
- Compact design versus the complexity of two separate antennas.
- Low ECC Performance for best in class throughput and range performance.
- Simple Installation with optimized antenna orientation and spacing

ELECTRICAL SPECIFICATIONS		
Operating Frequency (MHz)	2400 - 2480	4900 - 5900
Peak Gain, dBi (Typ)	1.7	2.5
Peak Gain, dBi (Max)	2.0	3.5
VSWR Port 1 (Typ)	<2.3:1	<2.8:1
VSWR Port 2 (Typ)	<2.3:1	<2.8:1
VSWR (Max)	<2.5:1	<3.0:1
Isolation, dB (Typ)	>19	>19
Max Gain ±30 above Horizon (dBi)	N/A	2.2
Nominal Impedance	50 Ohms	
Max Power @ 25°C	10 Watts	
Polarization	Linear H/V for each radiator	
Azimuth Beam Width	Omnidirectional	

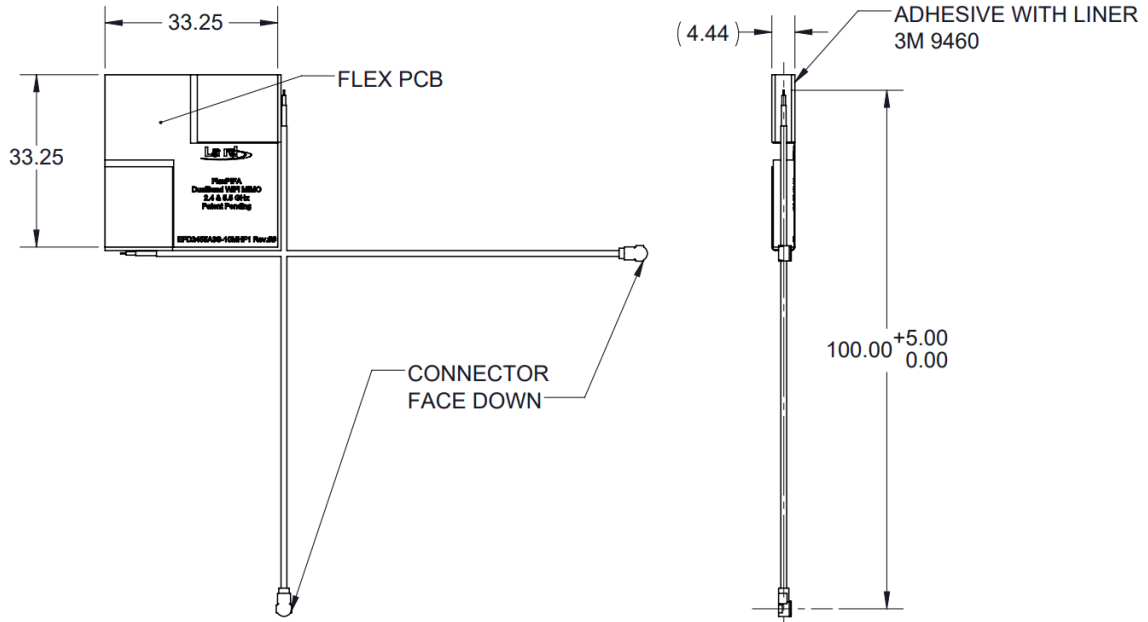
MECHANICAL SPECIFICATIONS	
Dimensions (mm)	33.25 x 33.25 x 4.44
Weight	2.5 grams

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature (°C)	-40°C to +85°C
Storage Temperature (°C)	-40°C to +85°C
Material Substance Compliance	RoHS Compliant

CONFIGURATION

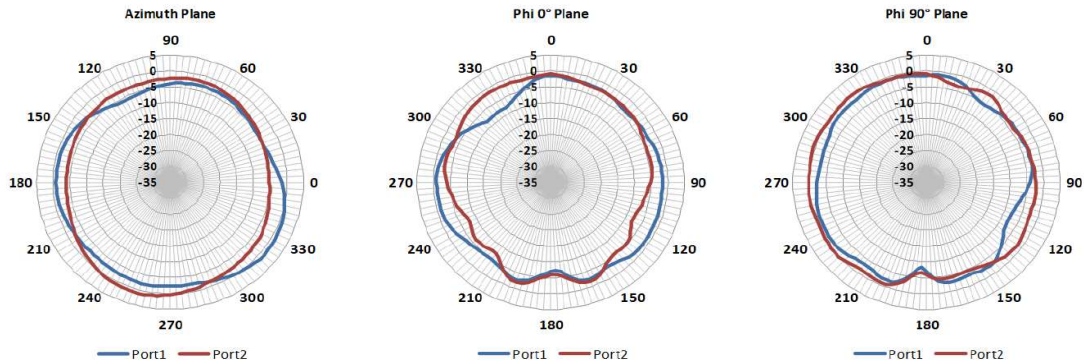
PART NUMBER	CABLE LENGTH	CONNECTOR	PACKAGING
EFD2455A3S-10MHF1	100mm	MHF4	

MECHANICAL DRAWING

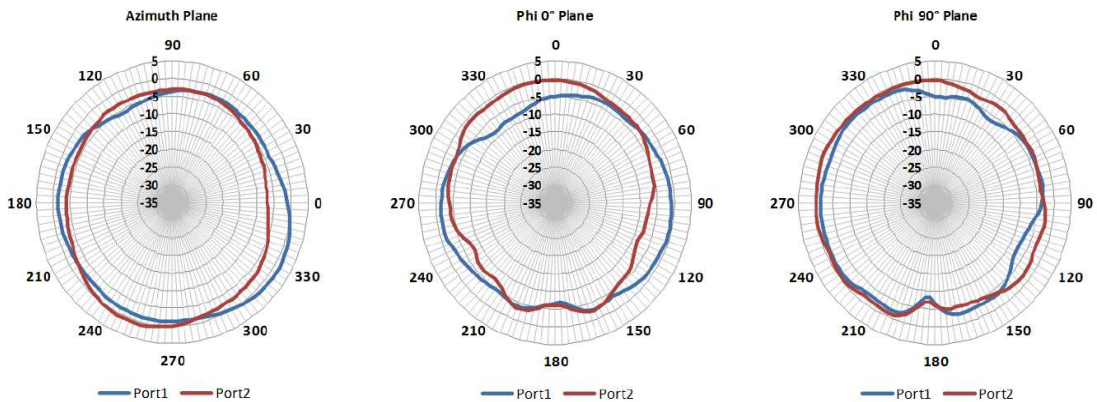


RADIATION PATTERNS

2400 MHz

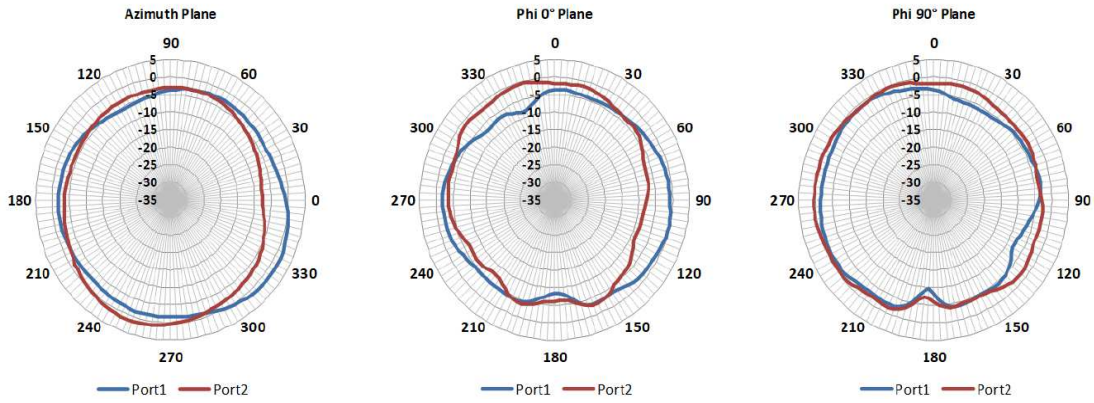


2440 MHz

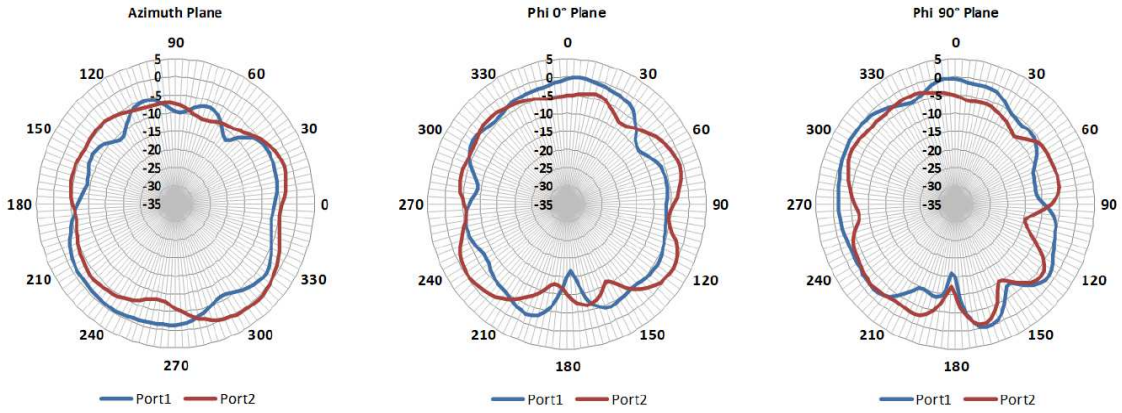


RADIATION PATTERNS (CONTINUED)

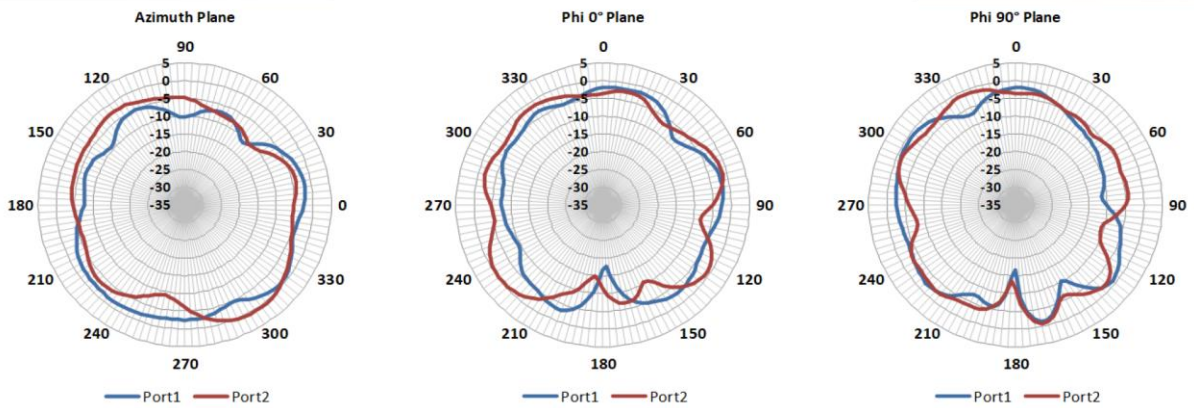
2480 MHz



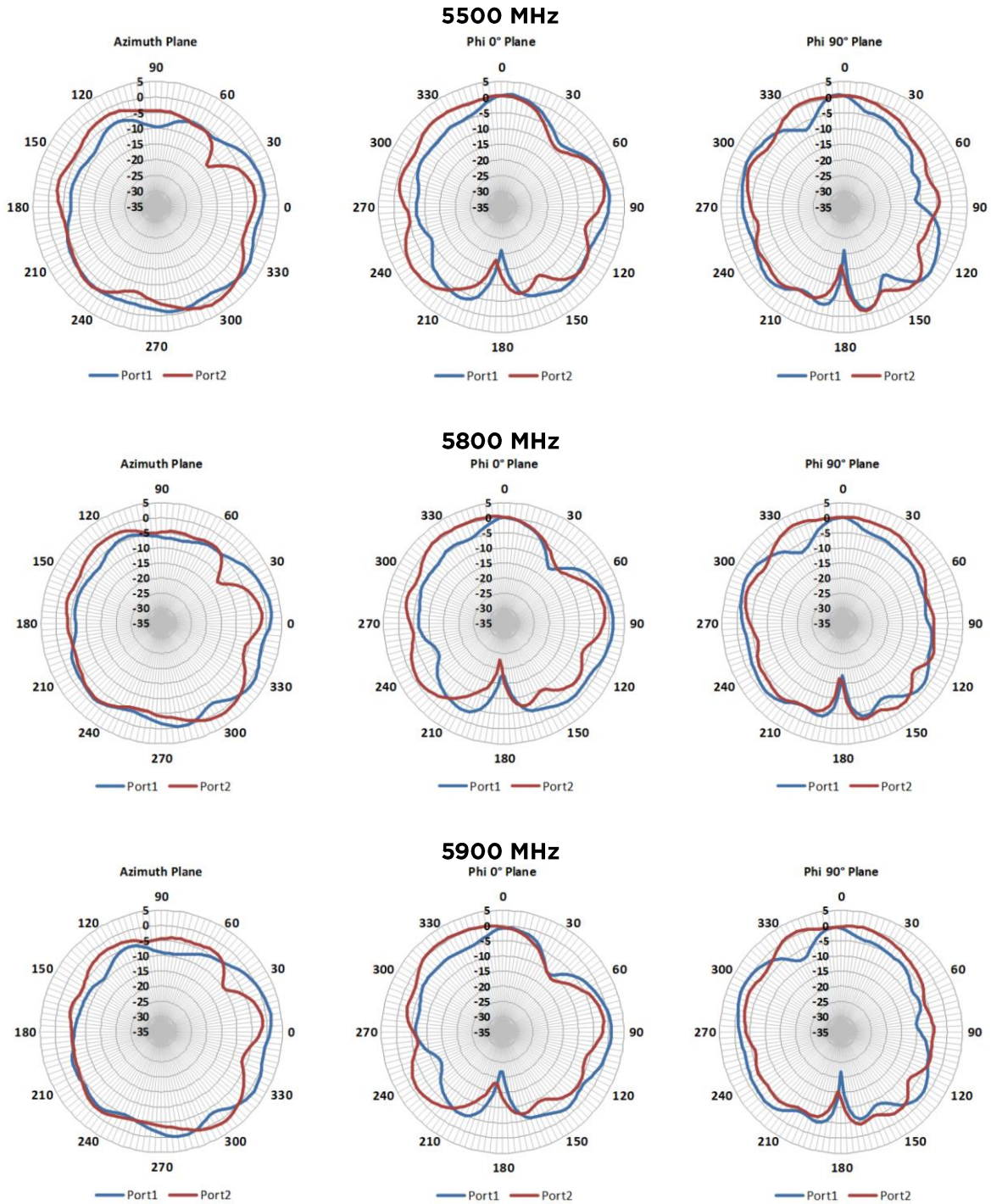
4900 MHz



5150 MHz



RADIATION PATTERNS (CONTINUED)



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