



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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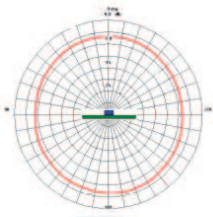
The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Laird Technologies' internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11 and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.

FEATURES

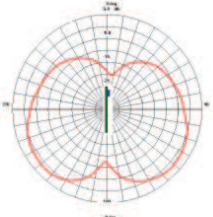
- Small and lightweight
- Wide bandwidth, ultra-wide band capable
- Available in tape and reel packaging
- SMT compatible including lead free processes
- Conformance to European RoHS directive 2002/95/EC

MARKETS

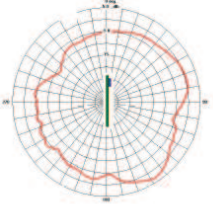
- Bluetooth
- WiFi



Azimuth
2.45 GHz
Free Space



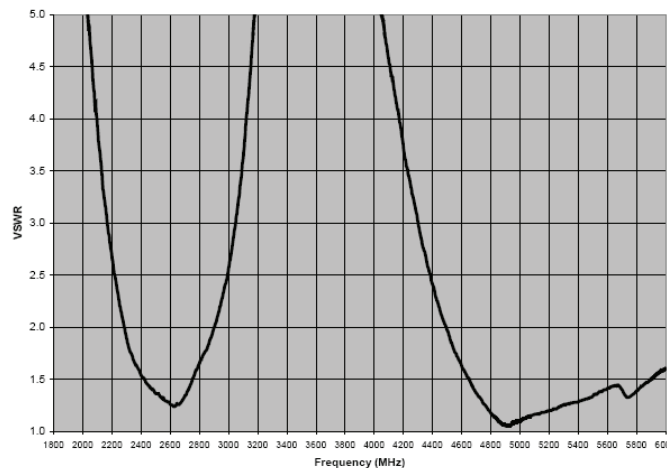
Elevation
 $\phi=0$
2.45 GHz
Free Space



Elevation
 $\phi=0$
5.8 GHz
Free Space

SPECIFICATIONS		
Frequency range	2.4 – 2.5 GHz	4.9 – 6.0 GHz
Peak gain	2.68 dBi	5.0 dBi
Polarization	Linear	
Nominal impedance	50 ohms	
SWR (min. performance)	<2.0:1	
Temperature range	-40° to +85°C	
Vibration	6G RMS (9.04 g ² /Hz) for 15 minutes each in vertical and horizontal. No appearance or functional change	
Thermal shock	Four repeated cycles of 1 hr. at +85°C and 1 hr. at -40°C. No appearance or functional change.	
Radiating element size	8 x 6 x 2.5 mm (L x W x H)	
Physical mass	0.21 grams	
Length w/ solder tabs	12 mm	

MODEL NUMBER	PART NUMBER	DESCRIPTION	CONNECTOR
WIC2452-A	MAF95029	Tape and reel	N/A
WIC2452-A-SM	MAF95032	Ultrawide-band on eval board	SMA-female edgemount



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