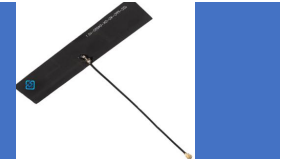




Multiband 2G 3G 4G/LTE FPC /PCBA Antenna



Part Number: L-2FA5

90*19*0.4 mm
 RoHS/RoHS II Compliant

Features

- Operates in 698-2700 MHz
- Linear polarization
- Low VSWR
- FPC flexible or PCB material (Optional)
- Omni-directional pattern
- IPEX connector with cable, or Solder direct

Applications

- Cellular
- Transportation
- Industrial wearable
- Smart city
- Smart agriculture
- Home automation

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Notes
Frequency Range		698~960/1710~2690		MHz	
VSWR	1.1		1.7		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		3.5		dBi	

Mechanical Characteristics

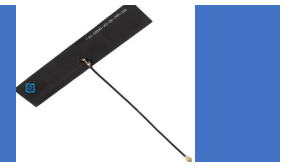
Parameters	Description
Connector	IPEX
Cable Type	RF1.13
Mounting	3M Adhesive Tape
FPC Dimensions	60 x 9 x 0.2 mm

Environmental Characteristics

Parameters	Note
Operating Temperature	-40°C to +85°C
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
ROHS Compliant	Yes
MSL Level	1



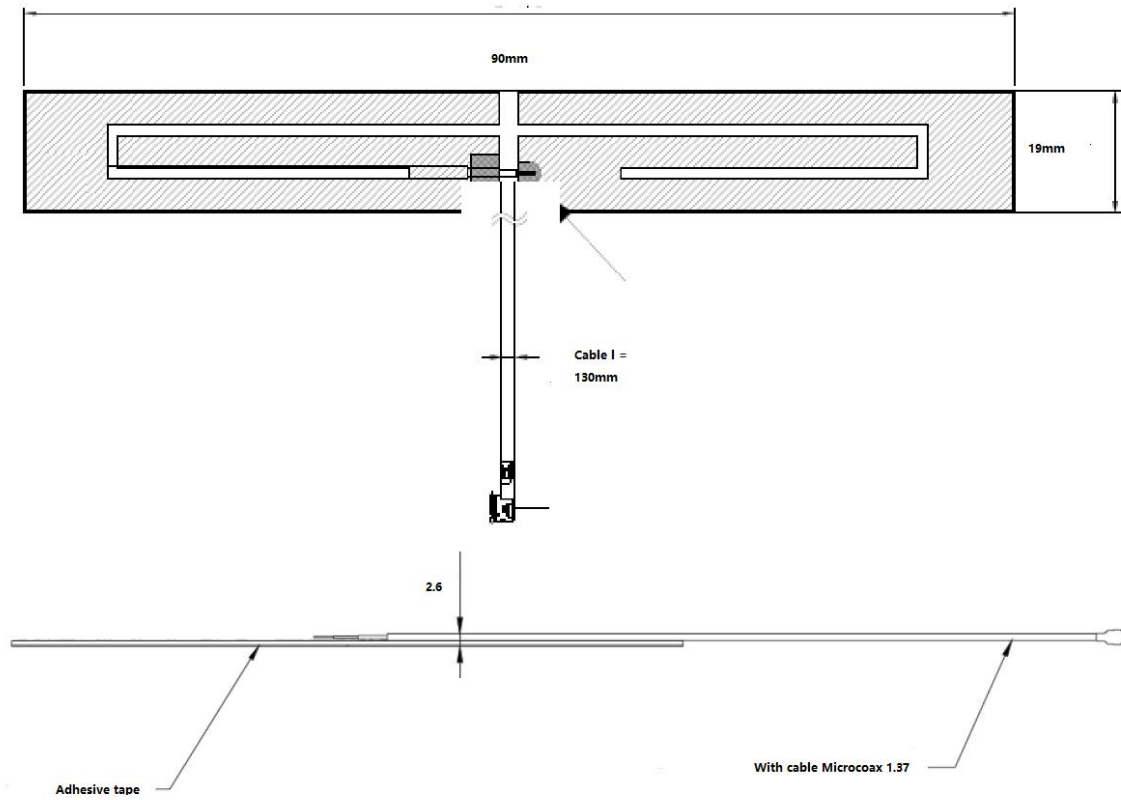
Multiband 2G 3G 4G/LTE FPC /PCBA Antenna



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Dimensions





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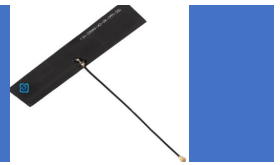
Miot Wireless Solutions Ltd

<http://www.miotsolutions.com>

Info@miotsolutions.com

Multiband 2G 3G 4G/LTE FPC /PCBA Antenna

Part Number: L-2FA5



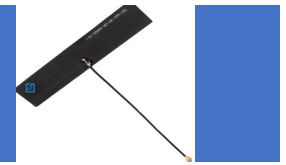
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Product Image





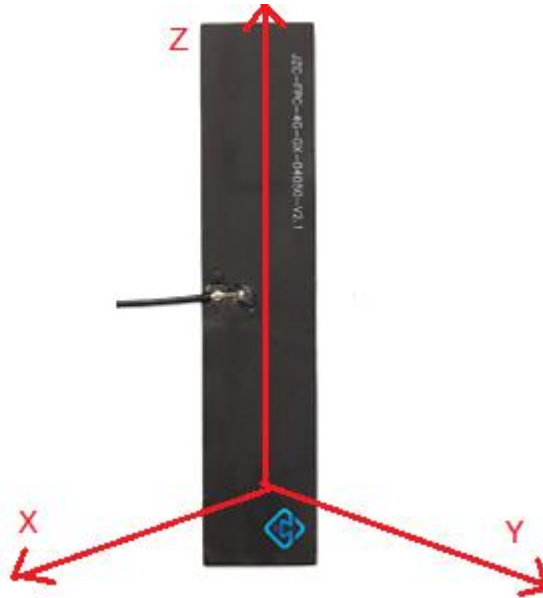
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90*19*0.4 mm
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Part Number: L-2FA5

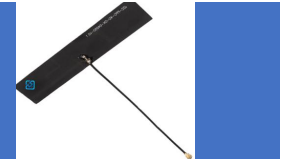
Radiation Patterns



3D - Pattern

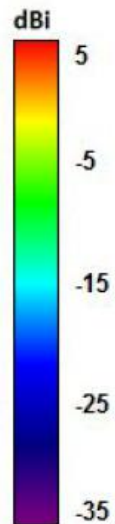
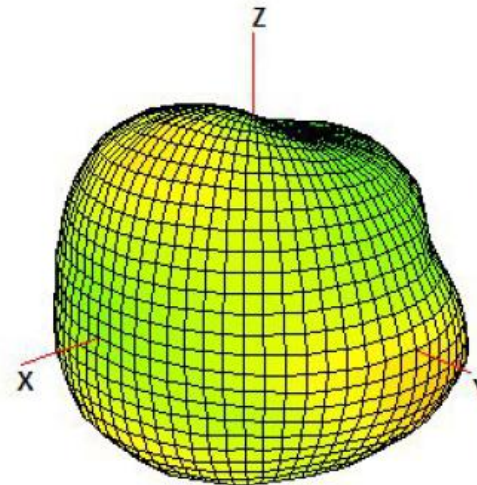
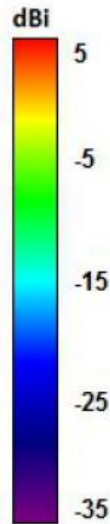
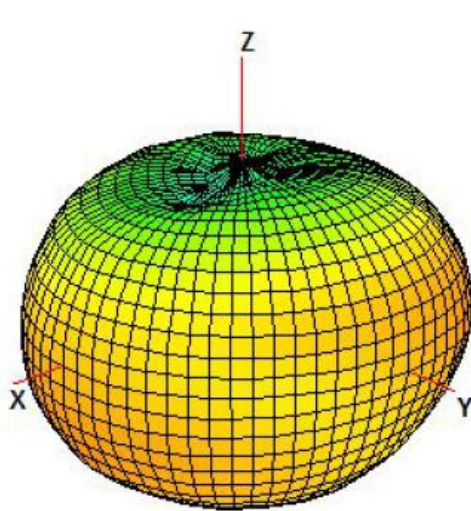


Multiband 2G 3G 4G/LTE FPC /PCBA Antenna

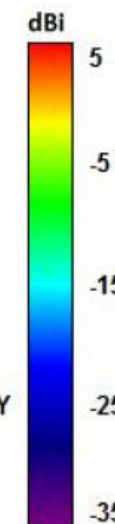
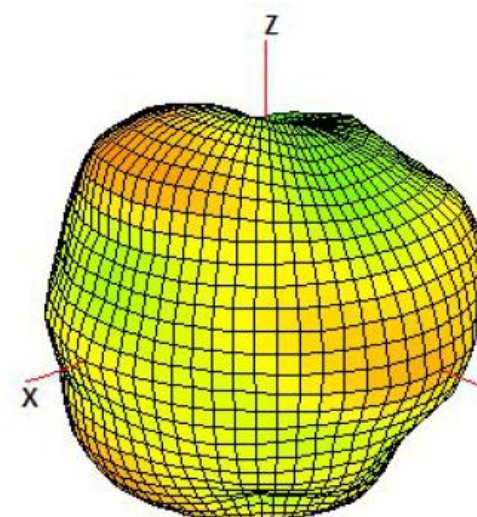
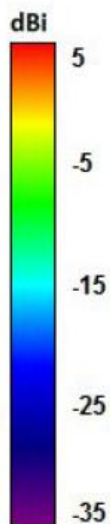
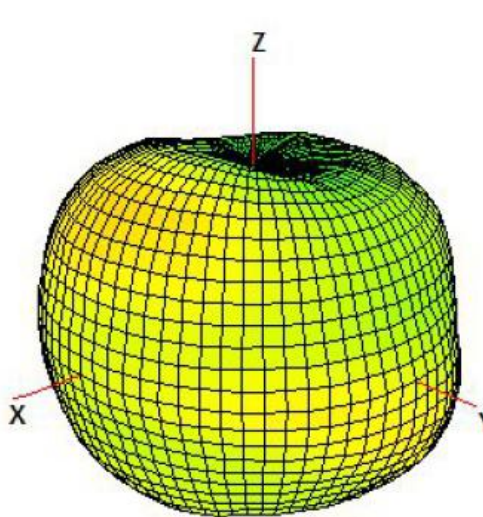


90*19*0.4 mm
RoHS/RoHS II Compliant

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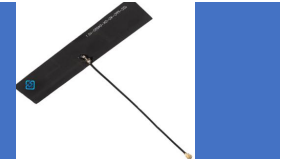
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

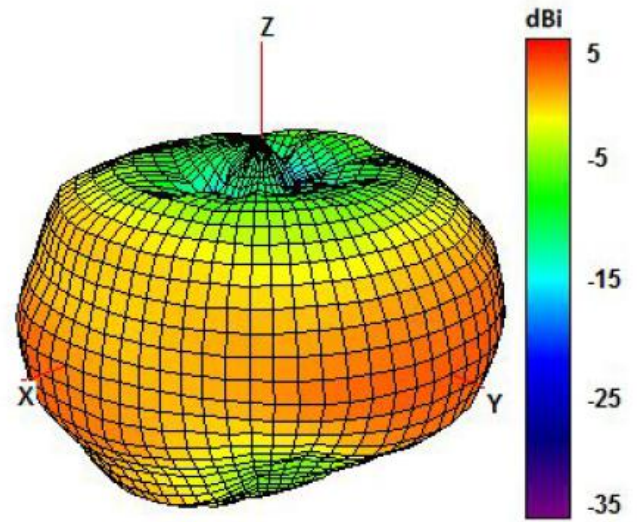
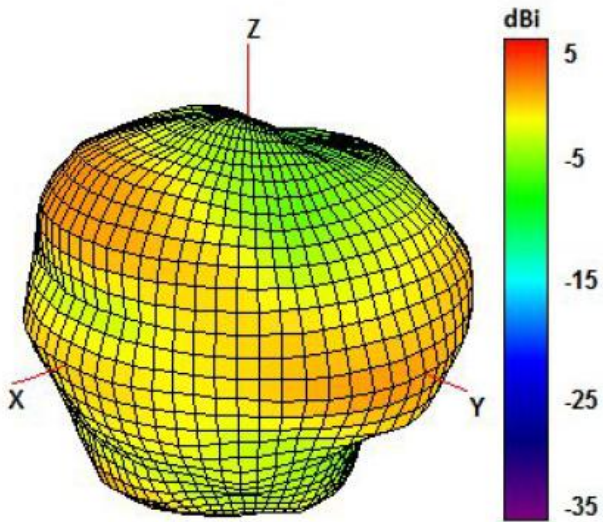


Multiband 2G 3G 4G/LTE FPC /PCBA Antenna

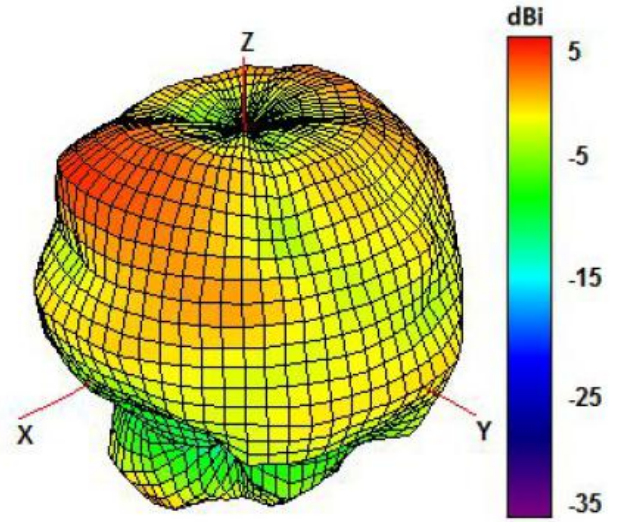
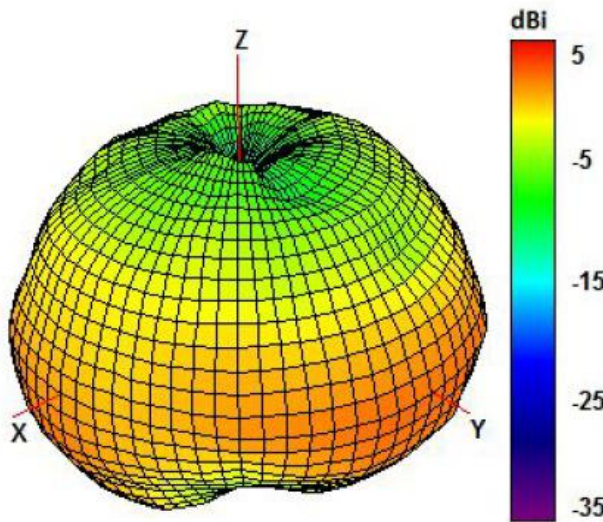


90*19*0.4 mm
RoHS/RoHS II Compliant

Part Number: L-2FA5



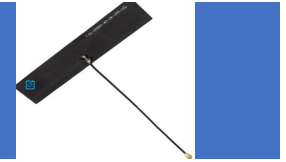
1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern



Multiband 2G 3G 4G/LTE FPC /PCBA Antenna

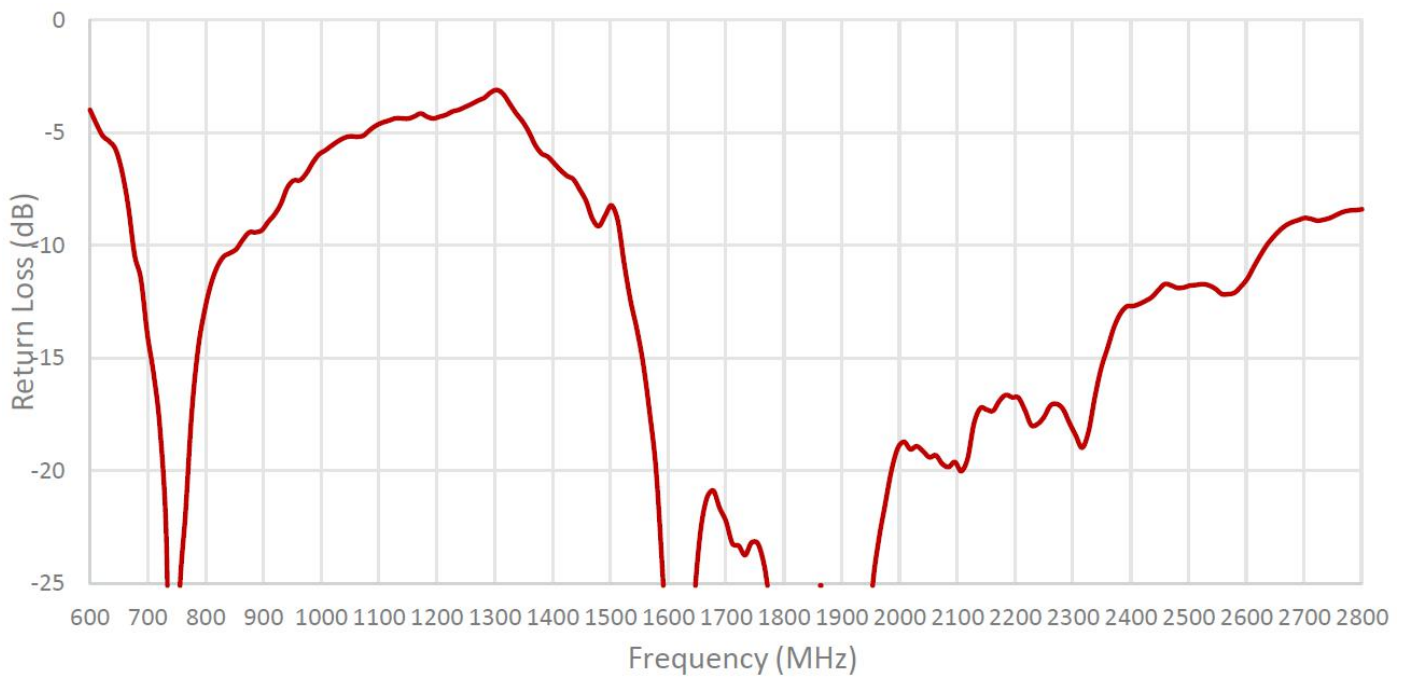


90*19*0.4 mm
RoHS/RoHS II Compliant

Part Number: L-2FA5

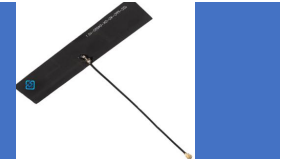
Antenna parameters

Frequency (MHz)	Efficiency	Gain (dBi)
698	0.71	1.3
824	0.61	1.5
868	0.59	1.6
960	0.57	0.6
1710	0.67	3.1
1850	0.65	2
1990	0.81	3.9
2170	0.71	2.1
2690	0.58	4.3



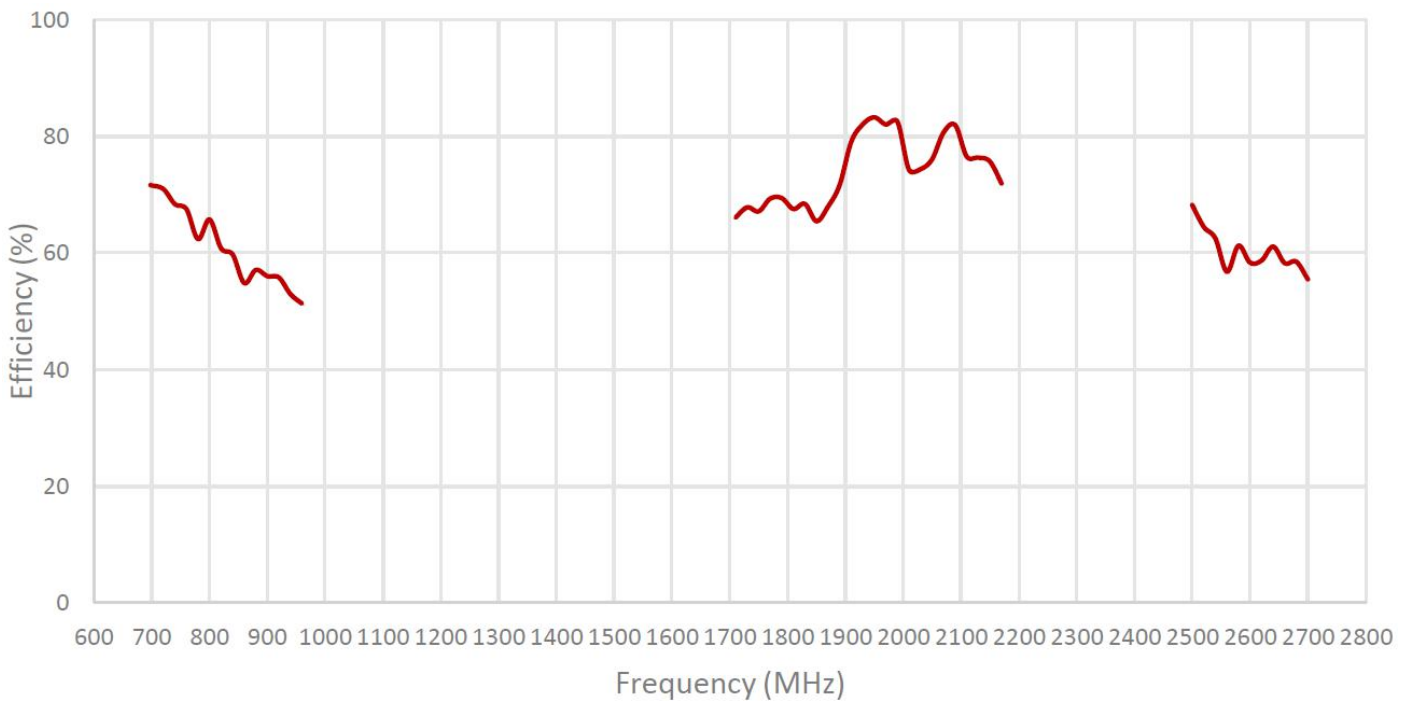
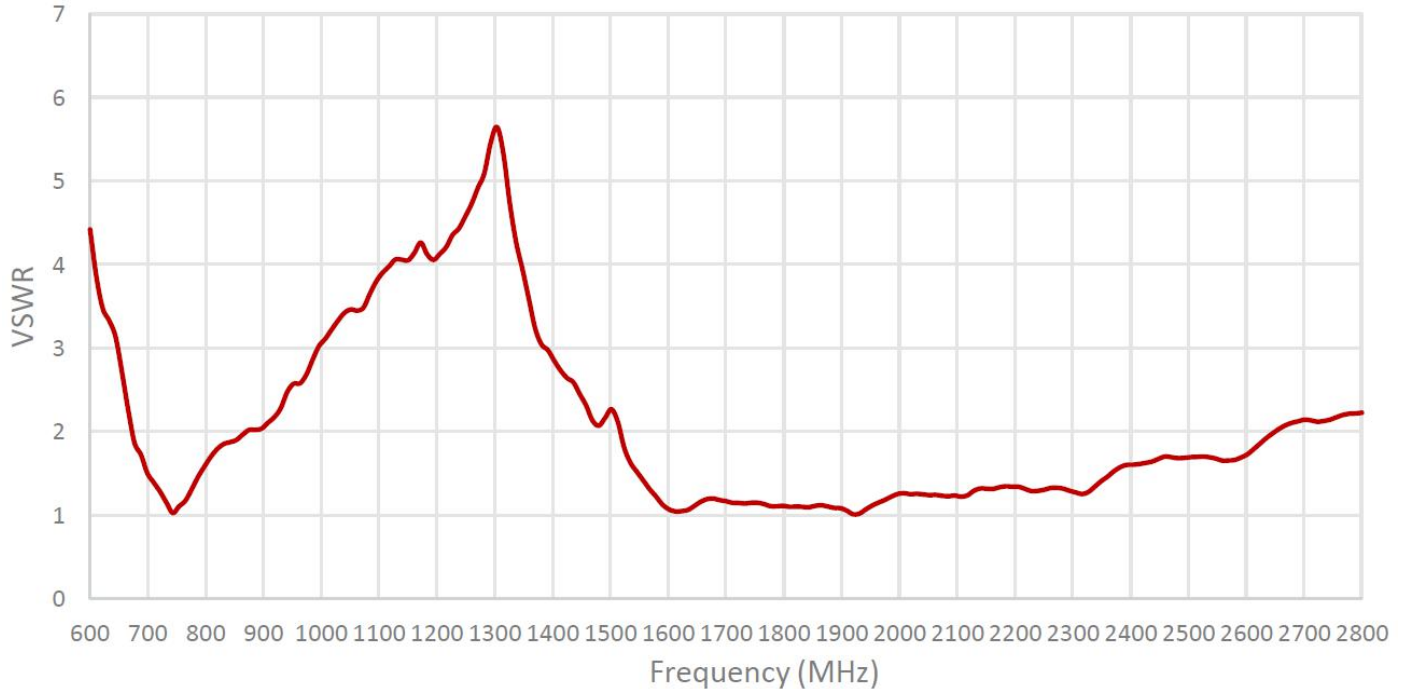


Multiband 2G 3G 4G/LTE FPC /PCBA Antenna



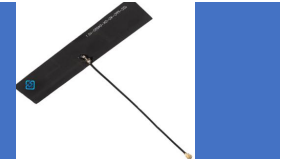
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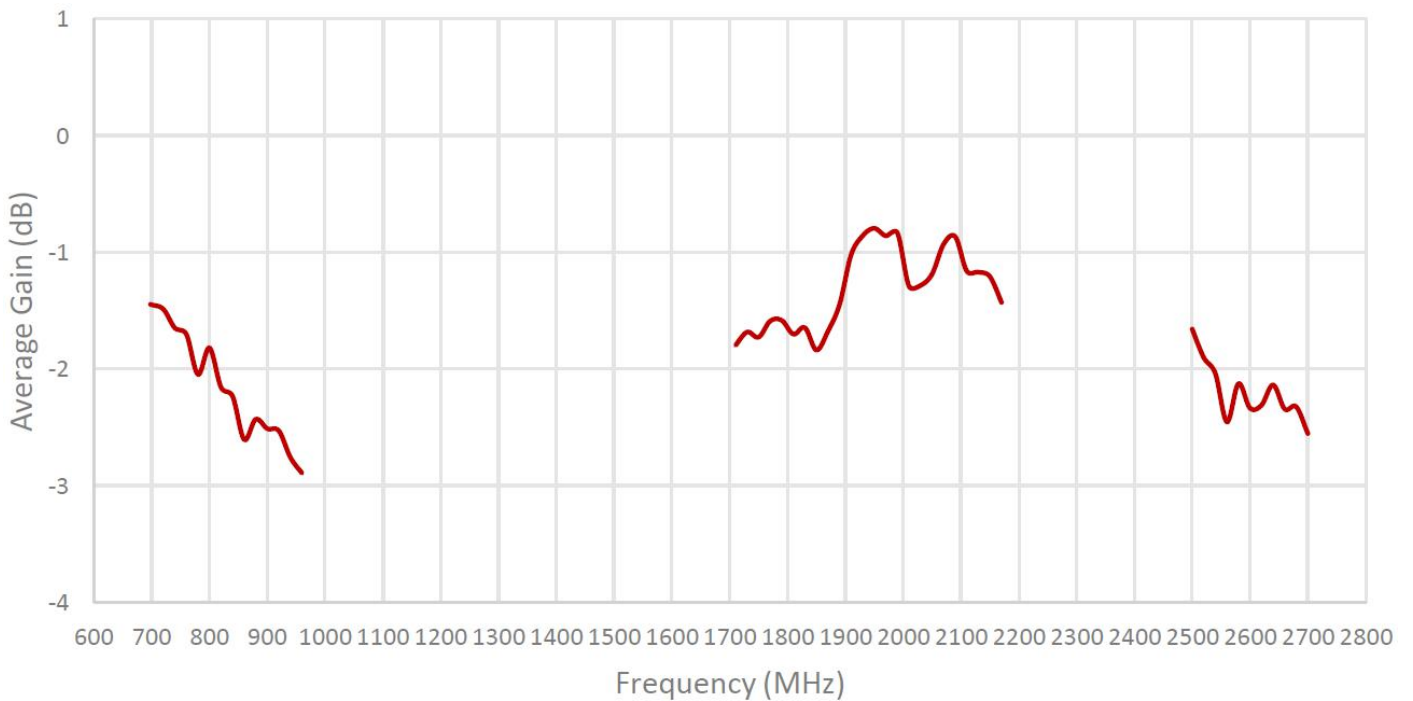
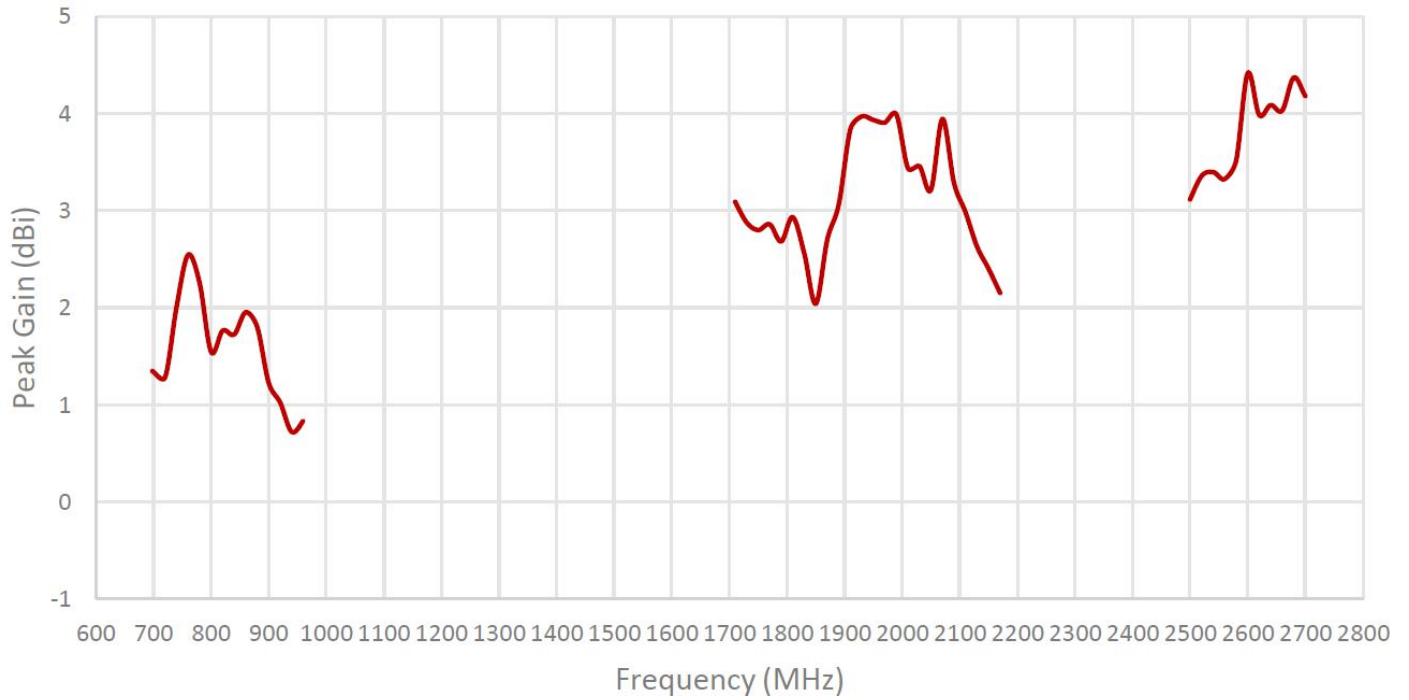


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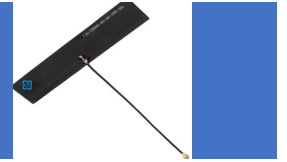




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90*19*0.4 mm
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Packaging

TBD

Caution:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please ensure the component is thoroughly evaluated in the application circuit.