



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!



## Contact us

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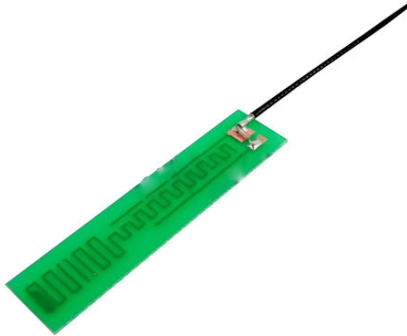
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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## Key Features

- Compact size
- 2.4 - 2.5GHz operation
- Price competitive
- 45mm x 10mm PCB



## General Description

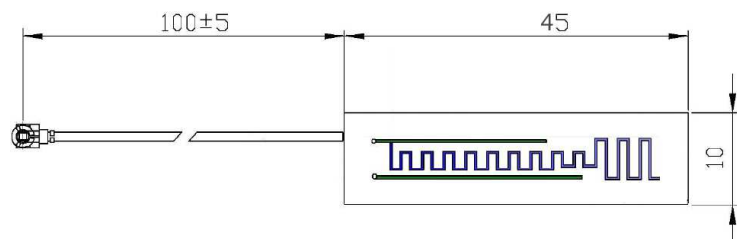
The Echo 17 2.4GHz PCB antenna is specifically aimed at the volume embedded WiFi, Bluetooth or ZigBee market.

The Echo 17 doesn't come with an adhesive pad but is easily glued in place with hot melt.

The Echo 17 is a competent performer in our tests and is well built and at a competitive price for volumes customers.

## Additional Considerations

- 45mm x 10mm allows easy integration into small devices
- Specifically tuned to provide optimal performance for 2.4 - 2.5GHz frequency band



Rev 1.2

#### Key Specifications - Electrical

Operating temperature range:	-20 to +60°C
Impedance:	50 ohm
Gain:	2.6dBi
VSWR:	2.0:1
Voltage and supply current:	Passive
Operating frequency:	2.4 - 2.5GHz
Polarization:	Vertical
Radiating element and wave:	¼ wave dipole

#### Gain

##### WiFi

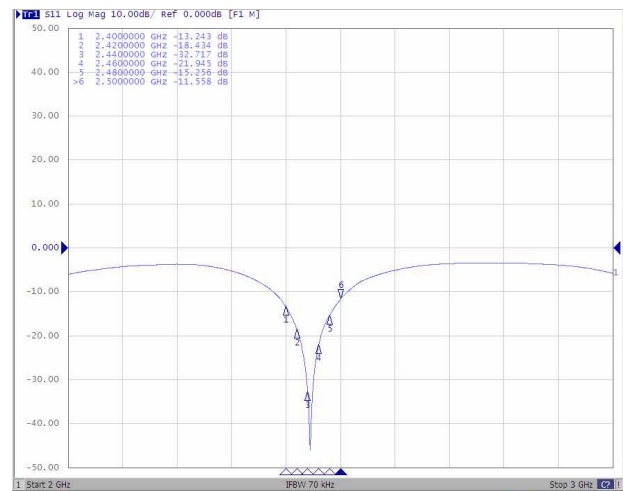
2400MHz	4.55dBi
2500MHz	3.31dBi

#### Key Specifications - Mechanical

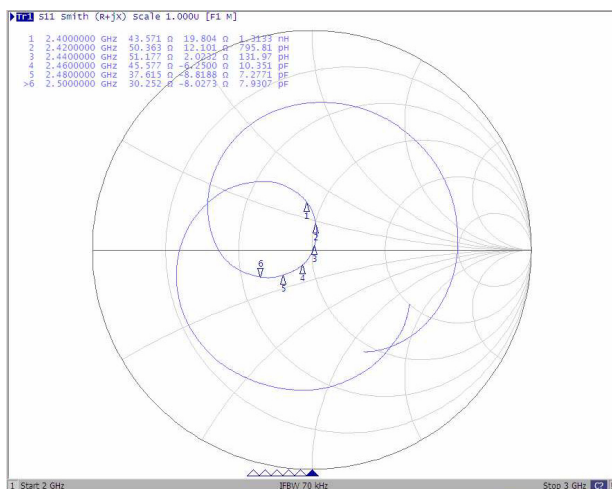
Dimensions:	45mm x 10mm (without cable)
Cable:	100mm x 1.13mm coax
Connector:	Ipx (UFL compatible)

#### Test Reports

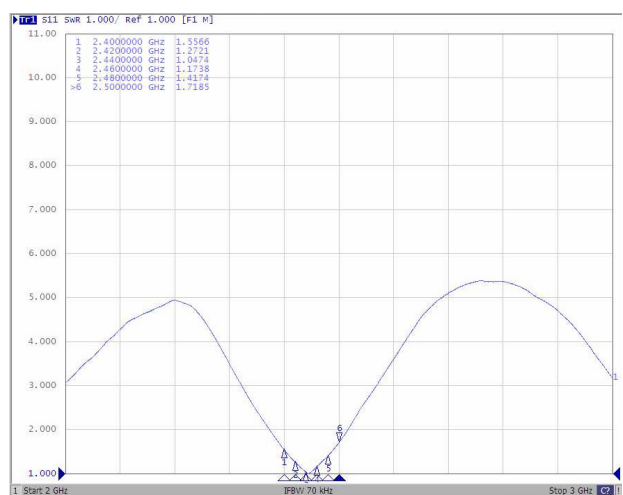
##### Return Loss



##### Return Loss

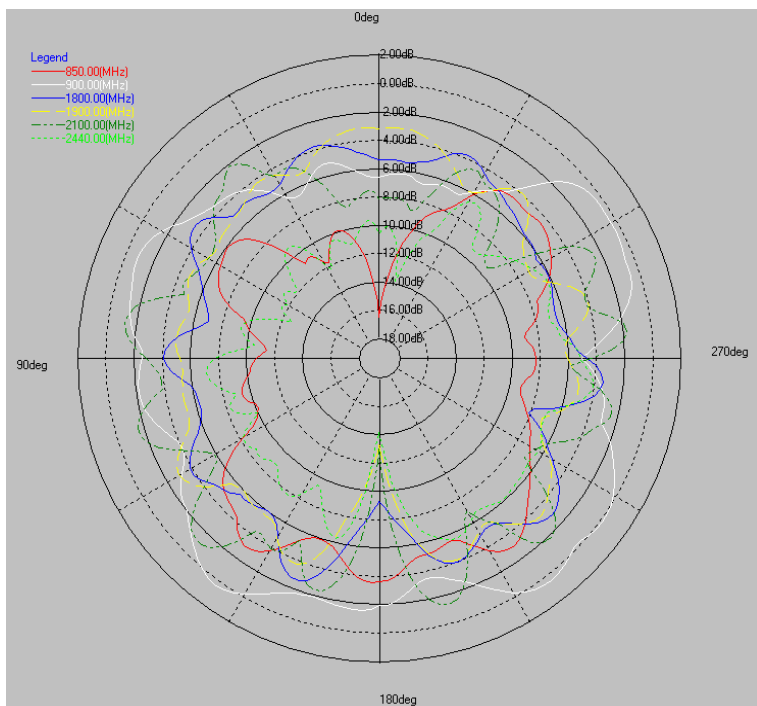


##### VSWR





### Gain vs. Frequency Graph



**UL Tested (Basingstoke, UK)**  
Part: ECHO17/0.1M/IPEX/S/S/15

### Ordering Details

Part Number	Description
ECHO17/0.1M/IPEX/S/S/15	2.4GHz PCB Antenna, 100mm Cable, IPEX Connector