



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!



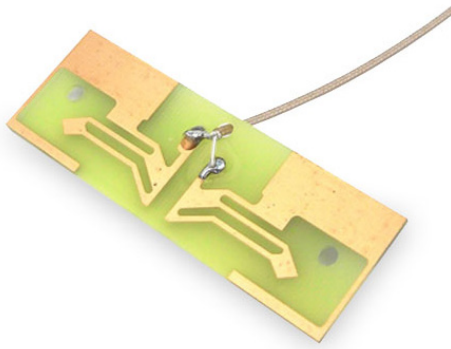
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





### Key Features

- Compact size: 76 x 25 x 1.7mm
- Flexible connector and cable options
- Wide frequency range: 800MHz - 2.4GHz
- Ground plane independent
- RoHS compliant

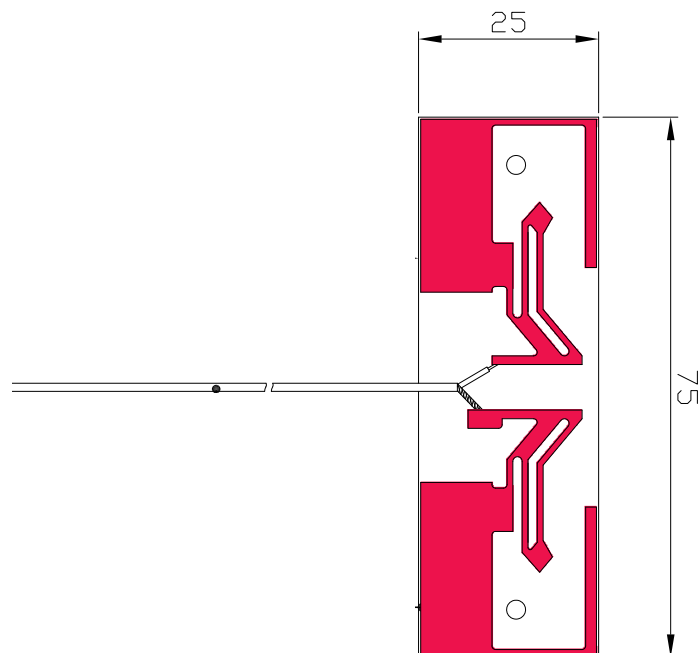
### General Description

Siretta multipurpose PCB antennas are based on an efficiently tuned element, matched with a wide variety of RF & M2M modules operating on Cellular, 868 and 2.4GHz ISM band frequencies. It is designed for embedded applications.

Proven in many applications where space is at a premium, Echo 2 is a complete 1/4 wave dipole and therefore ground plane independent. It is a compact PCB antenna and a good all round performer making it a popular choice where a small size combined with efficient performance is critical. Wide ranging connector and cable options also makes it a viable antenna where a quick design in and fast time to market is important.

### Additional Considerations

- Easy selection makes antenna suitable for many modules
- Operates on worldwide GSM / GPRS networks, plus many LTE frequencies, WiFi + Bluetooth and can be used for 868MHz ISM band



Rev 1.1

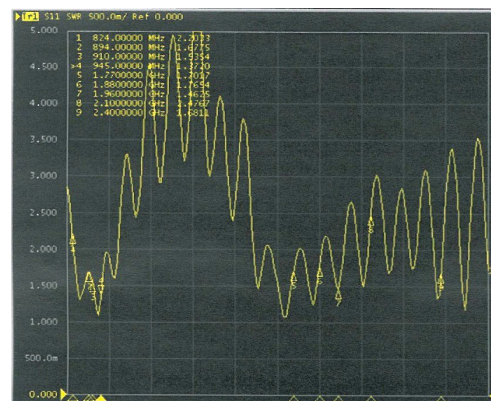
#### Key Specifications - Electrical

Operating temperature range:	-30 to +70°C
Impedance:	50 ohm
Gain:	2dBi
VSWR:	2:1
Operating frequencies:	GSM / GPRS - 850, 900,MHz 1.8, 1.9 GHz 3G - 1.9, 2.1GHz 4G - 900, 1.8GHz ISM - 868MHz, 2.4GHz
Polarization:	Vertical
Radiating element:	¼ wave dipole

#### Key Specifications - Mechanical

Dimensions:	75mm x 25mm x 1.7mm (without cable)
Cable:	Please refer to options table below*
Connector:	Please refer to options table below
Mounting method:	Adhesive or screw mount for internal use

#### VSWR Test Report



#### Ordering Details

Part Number	Description
ECHO2/0.1M/UFL/S/S/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 100mm Cable, UFL Connector
ECHO2/0.2M/UFL/S/S/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 200mm Cable, UFL Connector
ECHO2/0.1M/MMCX/S/RA/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 100mm Cable, MMCX Male Right Angle Connector
ECHO2/0.15M/MMCX/S/RA/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 150mm Cable, MMCX Male Right Angle Connector
ECHO2/0.2M/MMCX/S/RA/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 200mm Cable, MMCX Male Right Angle Connector
ECHO2/0.25M/MMCX/S/S/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 250mm Cable, MMCX Male Connector
ECHO2/0.1M/GSC/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 100mm Cable, GSC Connector
ECHO2/0.15M/GSC/1	Multi Band GSM/GPRS/3G/4G and WiFi PCB Antenna, 150mm Cable, GSC Connector

\*Cable for UFL/GSC connectors is 1.13mm Coax. For large connectors RG174 cable is used.