

### 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

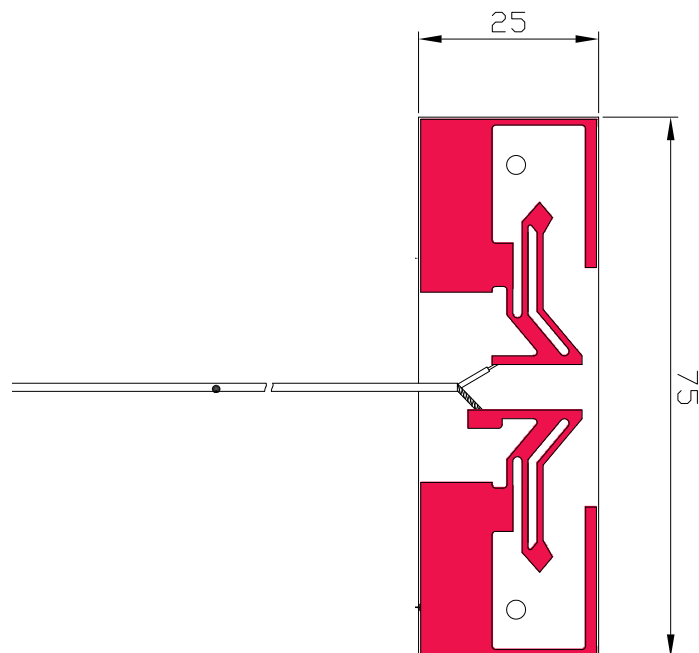
### General Description

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

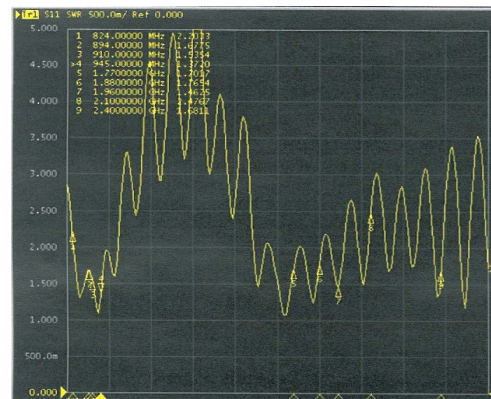
#### Key Specifications - Electrical

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.