

### Key Features

- Compact size
- Flexible connector and cable options
- Wide frequency range
- 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 ground plane independent and compact 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

- Allows minimum flexibility of ease of integration into small devices.
- Easy selection makes antenna suitable for many modules.
- Operates on worldwide GSM / GPRS networks.
- As 3G and ISM telemetry equipment does not require ground plane making it suitable for space restricted applications.
- Meets all EU compliance criteria for electronic goods.

Rev 1.0

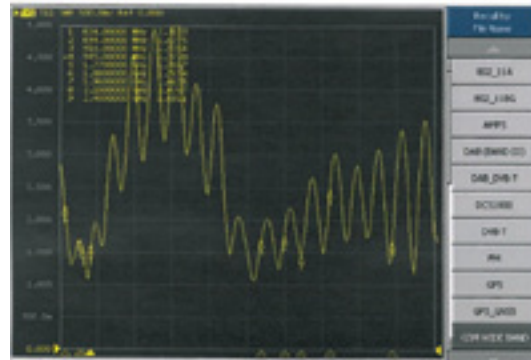
### Key Specifications - Electrical

Temperature range:	-40 to 85°C
Impedance:	50 ohm
Gain:	2dBi
VSWR:	Please refer to VSWR chart
Operating frequencies:	<b>GSM / GPRS</b> - 850, 900, MHz 1.8, 1.9 GHz <b>3G</b> - 1.9, 2.1GHz <b>4G</b> - 900, 1.8GHz <b>ISM</b> - 868MHz, 2.4GHz
Polarization:	Vertical
Radiating element:	¼ wave dipole

### Key Specifications - Mechanical

Dimensions:	75mm x 25mm x 1mm (without cable)
Cable:	Please refer to options table below
Connector:	Please refer to options table below
Mounting method:	Designed for internal assembly

### VSWR chart



### Ordering Details:

New part number	Old part number	Description
ECHO2/0.1M/UFL/1	ANTH7010G0000AB1	Echo 2 multiband Antenna – 100mm UFL
ECHO2/0.15M/UFL/1	ANTH7015G0000AB1	Echo 2 multiband Antenna – 150mm UFL
ECHO2/0.2M/UFL/1	ANTH7020G0000AB1	Echo 2 multiband Antenna – 200mm UFL
ECHO2/0.1M/MMCXM/S/RA/1	ANTH7010K0000AB1	Echo 2 multiband Antenna – 100mm MMCX R/A
ECHO2/0.15M/MMCXM/S/RA/1	ANTH7015K0000AB1	Echo 2 multiband Antenna – 150mm MMCX R/A
ECHO2/0.2M/MMCXM/S/RA/1	ANTH7020K0000AB1	Echo 2 multiband Antenna – 200mm MMCX R/A
ECHO2/0.25M/MMCXM/S/S/1	ANTH7002L0000AB1	Echo 2 multiband Antenna – 25mm MMCX Straight
ECHO2/0.1M/GSC/1	ANTH7010I0000AB1	Echo 2 multiband Antenna – 100mm GSC
ECHO2/0.15M/GSC/1	ANTH7015I0000AB1	Echo 2 multiband Antenna – 150mm GSC
ECHO2/0.2M/GSC/1	ANTH7020I0000AB1	Echo 2 multiband Antenna – 200mm GSC
ECHO2/0.14M/SMTAM/S/S/1	ANTH7014A0000AB1	Echo 2 multiband Antenna – 140mm SMAM

For other cable lengths please call us on: +44(0)118 976 9014

**NOTE:** From 2012 please use the new part number