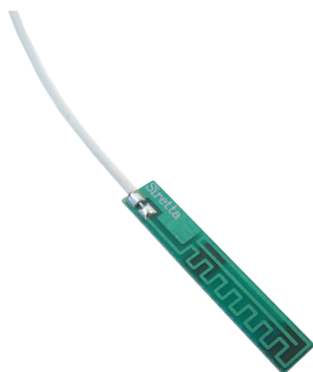




## ECHO 1A

Quad Band GSM/GPRS, 3G & ISM PCB Antenna



### Key Features

- Compact size
- Flexible connector and cable options
- Quad band GSM and 3G
- ISM: 868 and 915MHz

### General Description

The Echo 1A is an efficiently tuned PCB antenna that is suited to a wide variety of RF & IoT modules operating on quad band GSM/GPRS, 3G and ISM frequencies.

Proven in many embedded applications, it is groundplane independent and compact making it a popular choice where a small size is important.

Alternative connectors and cable lengths may be specified for volume orders.

### Additional Considerations

- Good for small device integration
- Ground plane independent
- Meets all EU compliance criteria for electronic goods.





## ECHO 1A

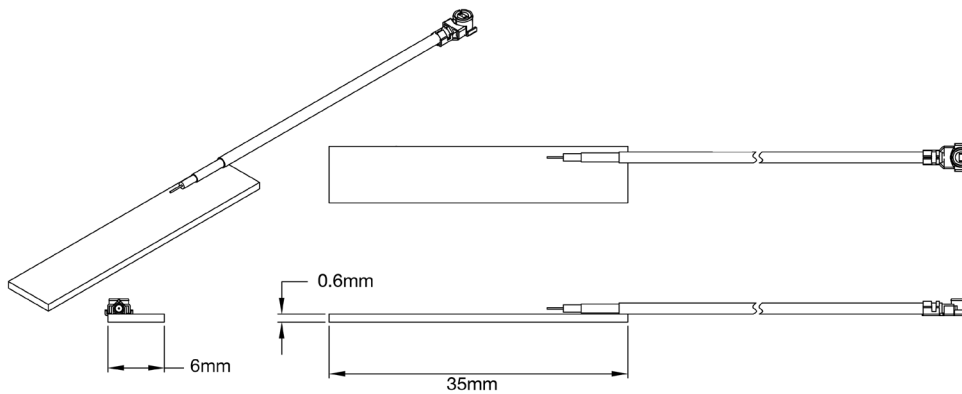
Quad Band GSM/GPRS, 3G & ISM PCB Antenna

### Electrical Specifications

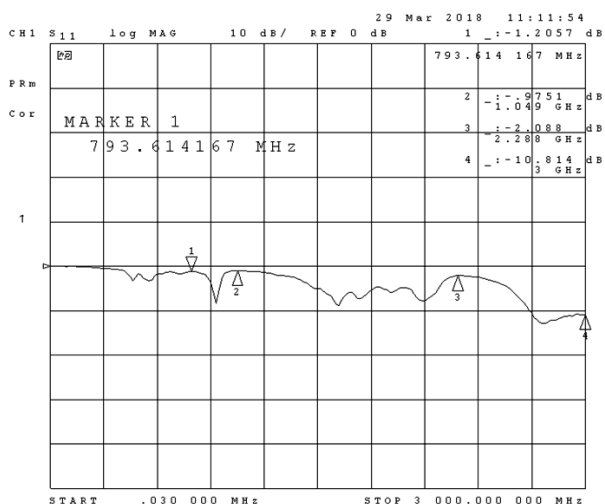
Temperature Range:	-40 - +85°C
Impedance:	50 Ohm
VSWR:	<2.0
Operating frequency:	824 ~ 960MHz 1710 ~ 2170MHz
Polarization:	Linear
Radiating element:	¼ wave dipole

### Mechanical Specifications

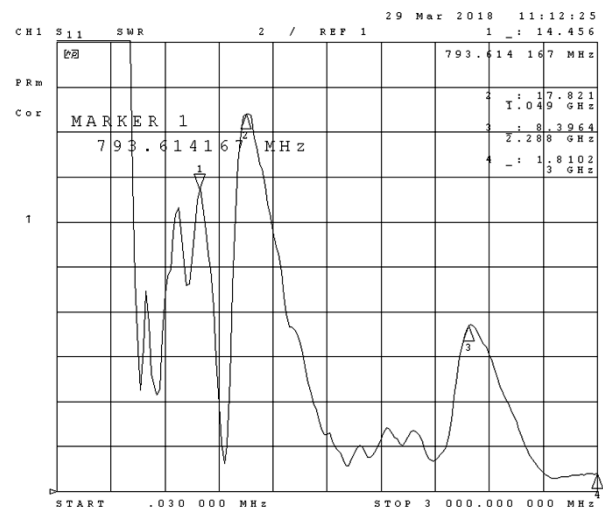
Dimensions:	35 x 6 x 0.6mm (without cable)
Cable:	1.13mm Coax
Connector:	UFL/IPEX



### Return Loss



### VSWR

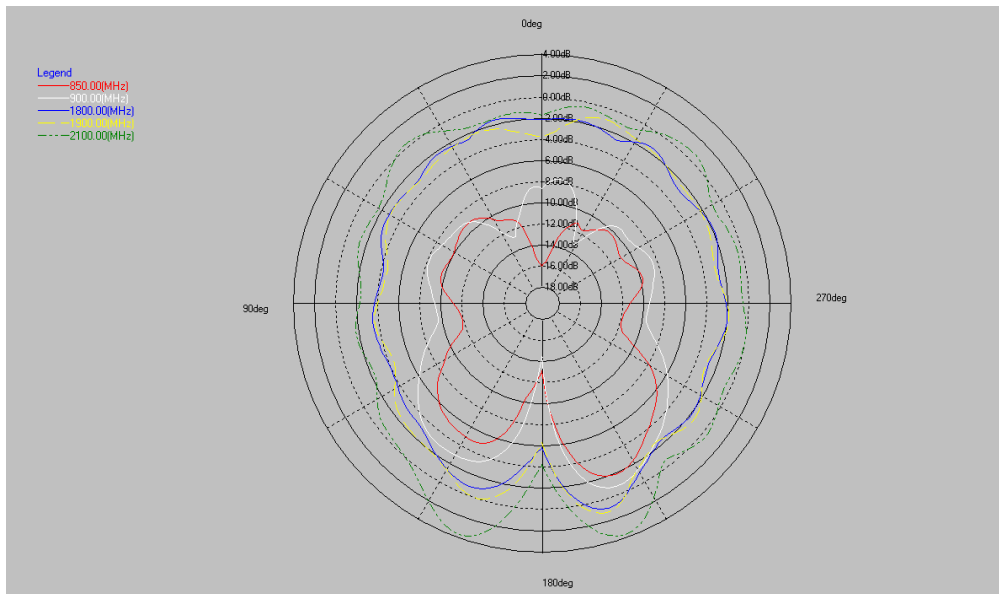




## ECHO 1A

Quad Band GSM/GPRS, 3G & ISM PCB Antenna

### Radiation Plot



### Ordering Details

Part Number	Description
ECHO1A/0.1M/IPEX/S/S/11	Quad Band GSM, 3G and ISM PCB Antenna, 100mm Cable, IPEX Connector
ECHO1A/0.2M/IPEX/S/S/11	Quad Band GSM, 3G and ISM PCB Antenna, 200mm Cable, IPEX Connector

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