



Echo 14

2G, 3G, 4G & ISM PCB Embedded Antenna



Key Features

- Groundplane independent
- Wide frequency range
- Excellent gain within upper frequency band

General Description

The Echo 14 is a multipurpose PCB embedded antenna with a wide operating frequency band which makes it suitable for a host of wireless IoT applications.

The antenna exhibits its best gains at the higher frequency spectrum of 1900MHz to 2600MHz.

It has compatibility with worldwide cellular applications over the quad band GSM/GPRS networks and also high data transfer rates via 3G UMTS and 4G LTE.

Additional Considerations

- · Can be mounted on any surface
- Meets all EU compliance criteria for electronic goods
- Supports Band 42







Echo 14

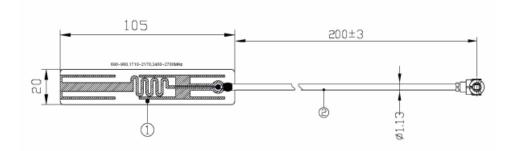
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Electrical Specifications

Frequencies:	800/900/1800/1900/ 2100-2500MHz 2500-2700MHz 3300-3600MHz
Impendance:	50 Ohm
VSWR:	<1.8:1
Polarization:	Vertical

Mechanical Specifications

Dimensions:	L105 x W20 x H1mm
Operating Temperature:	-30 - +60°C
Storage Temperature:	-40 - +80°C
Cable:	1.13mm Coax
Connector:	IPEX



Radiation Plots

Gain

2G	
850MHz:	1.44dB
900MHz:	0.72dB
1800MHz:	1.73dB
1900MHz:	2.79dB
3G	
2100MHz:	2.84dB
4G	
2600MHz	2.44dB





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Return Loss





VSWR



Ordering Details:

Part Number	Description
ECHO14/0.1M/UFL/S/S/15	2G/3G/4G & ISM PCB Antenna 100mm cable UFL/IPEX Connector
ECHO14/0.2M/UFL/S/S/15	2G/3G/4G & ISM PCB Antenna 200mm cable UFL/IPEX Connector