

### Key Features

- Compact size
- 2.4 - 2.5GHz operation



### General Description

The Echo12 GSM/GPRS/3G ceramic chip antennas, introduced in 2009 provide a reliable, PCB solderable antenna for today's wireless modules operating on quad band GSM / GPRS frequencies or 3G networks.

Offering an omni directional radiating pattern, the chip antenna measures just 24mm x 5.5mm x 4.4mm to ensure suitability in small form factor applications.

Easy to layout and use in production, full documentation is available to provide design layout guidelines including a recommended matching circuit. The Siretta PCB antenna comes in a tape and reel package and is reflow solderable.

### Key Specifications - Electrical

Operating temperature range:	-35 to +85°C
Impedance:	50 ohm
Gain:	0.67 to 5.25dB
VSWR:	3.0 : 1 max
Operating frequency:	850, 900, 1800, 1900MHz, 2.1GHz
Polarization:	Linear

### Key Specifications - Mechanical

Dimensions:	24mm x 5.5mm x 4.4mm
Mounting method:	Embedded

### Ordering Details:

Part Number	Description
ECHO12/x/x/S/S/3	GSM/GPRS/3G penta band PIFA embedded antenna

Rev 1.0