



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Key Features

- Range of ISM frequency bands available
- 3dBi gain
- ¼ wave radiating element
- 130mm whip antenna

## General Description

The Delta 12s are a range of ¼ wave ISM whip antennas. This style of antenna is offered in a number of different frequencies that meets all the popular ISM bands. Great quality and affordable pricing, this antenna is perfect for high volume ISM applications within the mobile applications world.

The Delta 12s can be tuned to the ISM (Industrial, Scientific and Medical) radio frequency bands of 151/173, 433/458, 869 and 915MHz. 151/173MHz and 433/458MHz dictate combined frequencies into one antenna. The same style and dimensions of the housing/casing is used for each antenna regardless of its frequency.

## Key Specifications - Electrical

Frequency:	151/173, 433/458, 869, 915MHz
Impedance:	50 ohm
VSWR:	<2
Gain:	3dBi
Polarization:	Vertical ¼ wave
Radiation:	Omnidirectional
Max input power:	50W

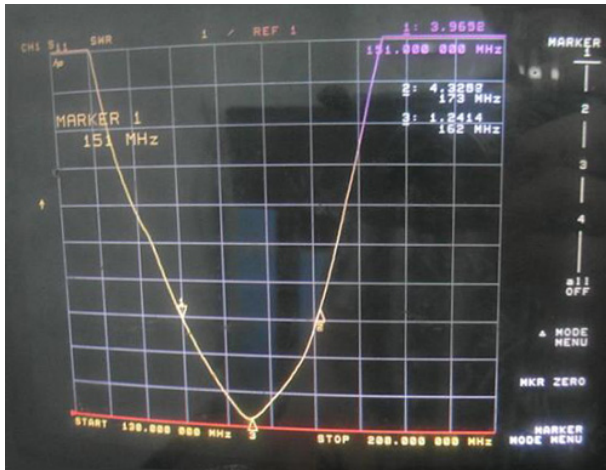
## Key Specifications - Mechanical

Dimensions:	130mm (Length)
Connector:	SMA male
Mounting method:	Direct connect

Rev 1.6

### Test Report

#### SWR Graph - 151 & 173MHz



### Ordering Details:

Part number	Description
DELTA12/X/SMAM/S/S/17	151/173MHz Whip Antenna, SMA Male Connector (130mm Long)
DELTA12/X/BNCM/S/S/17	151/173MHz Whip Antenna, BNC Male Connector (130mm Long)
DELTA12A/X/SMAM/S/S/17	433/458MHz Whip Antenna, SMA Male Connector (130mm Long)
DELTA12A/X/BNCM/S/S/17	433/458MHz Whip Antenna, BNC Male Connector (130mm Long)
DELTA12B/X/SMAM/S/S/17	869MHz Whip Antenna, SMA Male Connector (130mm Long)
DELTA12B/X/BNCM/S/S/17	869MHz Whip Antenna, BNC Male Connector (130mm Long)
DELTA12C/X/SMAM/S/S/17	915MHz Whip Antenna, SMA Male Connector (130mm Long)
DELTA12C/X/BNCM/S/S/17	915MHz Whip Antenna, BNC Male Connector (130mm Long)