



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

- Overmoulded, flexible whip
- Various connector options
- Tuned to specific frequency
- Helically wound
- RoHs compliant
- Solid performer at competitive price

General Description

The Delta 5A is a $\frac{1}{4}$ wave helically wound UHF omnidirectional antenna with a centre frequency of 868MHz.

The Delta 5A has a gain of 3dBi and is intended for volume use where a good performer with robust features is required but at a competitive price point in volume.

Additional Considerations

- Rugged construction for portable equipment
- Ideal for many popular radio modules and equipment
- Optimised for use on 868MHz equipment, with 869MHz also supported
- Maximises space for mobile environments
- Meets all EU compliance criteria for electronic goods

Rev 1.0

Delta 5A

868MHz Helical Whip Antenna

Key Specifications - Electrical

Operating temperature range:	-30 to +75°C
Impedance:	50 ohm
Gain:	3dBi
VSWR:	≤2:1
Polarization:	Vertical
Centre frequency:	868MHz
Radiating element:	¼ wave whip
Max input power:	50W

Key Specifications - Mechanical

Dimensions:	100mm
Connector:	SMA, SMA RP, BNC or TNC
Mounting method:	Direct connect
Housing:	Black rubber overmould

Ordering Details

Part Number	Description
DELTA5A/X/SMAM/S/S/17	Helical Whip 868MHz ¼ wave helical whip flexy antenna SMA male
DELTA5A/X/BNCM/S/S/17	868MHz ¼ wave helical whip flexy antenna BNC male
DELTA5A/X/TNCM/S/S/17	868MHz ¼ wave helical whip flexy antenna TNC male