



Enabling Industrial IoT



Delta 6B

WiFi / WLAN Hinged Antenna SMA Male



Key Features

- 5dBi gain
- 2.4 - 2.5GHz frequency band
- Adjustable Swivel design

General Description

The Delta 6B is a single band WiFi antenna, tuned to 2.4 - 2.5GHz and with a peak gain of 5dBi, provides superior antenna performance suiting more demanding WiFi applications.

The hinged joint provides a flexible position at 0, 45 & 90 degrees for optimum signal transmission. The Delta 6B is commonly used with WiFi, Bluetooth, and Zigbee based applications to help improve the signal strength and connectivity of short-range terminals.

The Delta 6B is supplied, as standard, with either an SMA male or a reverse polarity SMA male connector (the latter being the common connector type for WiFi modems).

Additional Considerations

- Adjustable design allow positioning for best signal
- Suitable for WiFi, ISM Applications, Bluetooth and Zigbee
- The antenna does not rely on mounting on a metallic surface
- Meets EU compliance criteria for electronic goods





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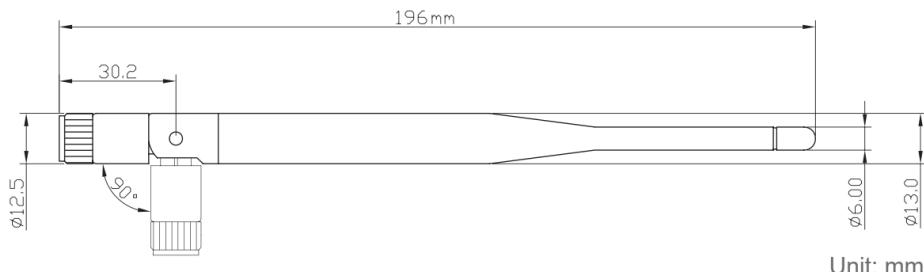
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Electrical Specifications

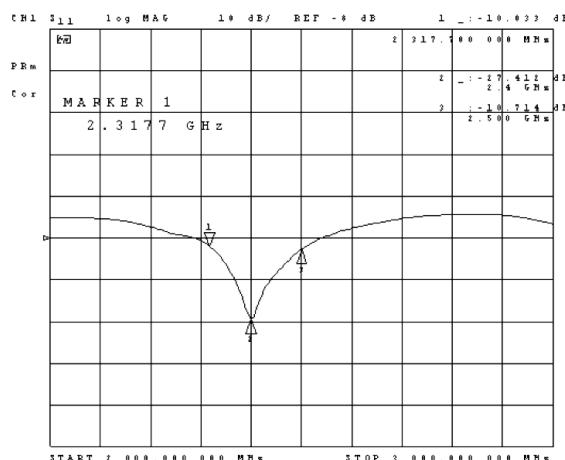
| | |
|------------------------|------------------|
| Operating Temperature: | -20 - +65°C |
| Storage Temperature: | -30 - +75°C |
| Impedance: | 50 Ohm |
| Gain: | 5dBi |
| VSWR: | <2.0:1 |
| Frequency Range: | 2.4 - 2.5GHz |
| Antenna Type: | Omni Directional |
| Polarization: | Vertical |

Mechanical Specifications

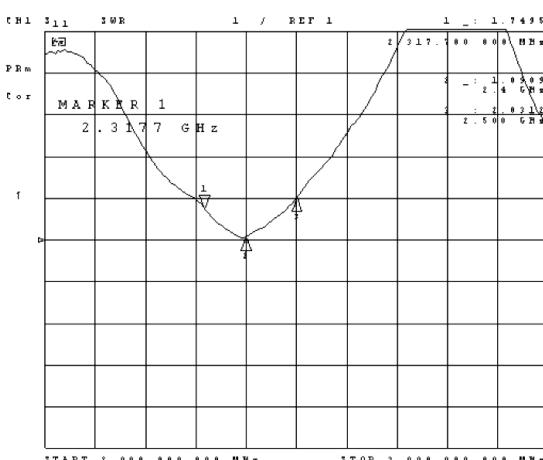
| | |
|------------------|------------------|
| Dimensions: | L196 x 13 mm Ø |
| Connector: | SMA/SMA-RP Male |
| Cable: | RG316 (Internal) |
| Mounting Method: | Direct Connect |



Return Loss



VSWR





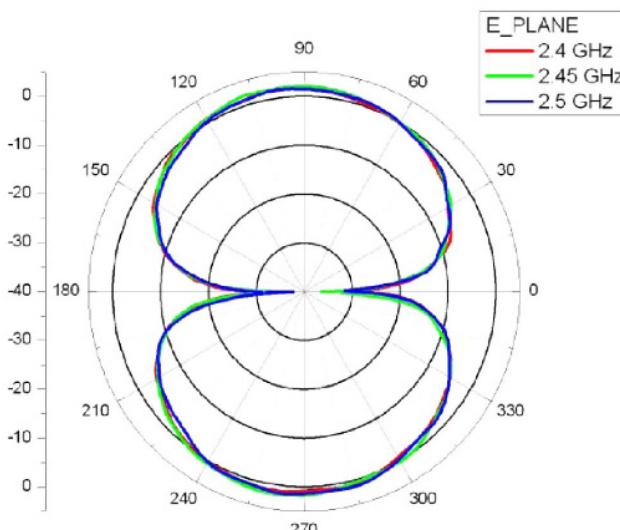
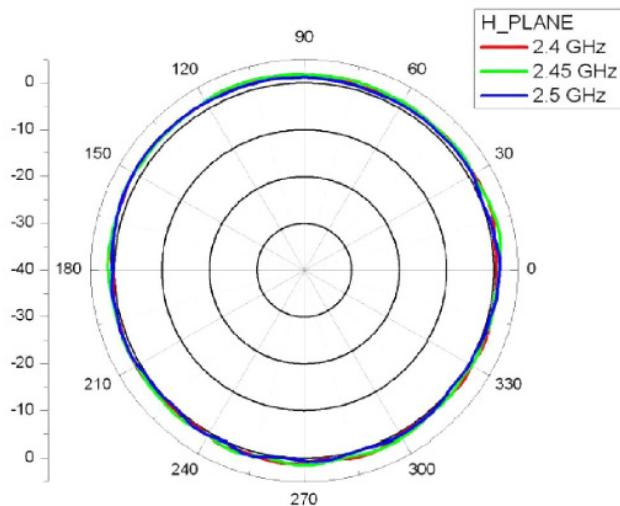
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Radiation Plots



Ordering Details

| Part Number | Description |
|------------------------|--|
| DELTA6B/X/SMAM/S/S/11 | WiFi / WLAN Hinged Antenna SMA Male Connector |
| DELTA6B/X/SMAM/RP/S/11 | WiFi / WLAN Hinged Antenna SMA Male Reverse Polarity Connector |