



Alpha 3A

2G/GPRS, 3G, ISM and WiFi Adhesive Mount Antenna



Key Features

- Compact size
- 2.62 dBi peak gain
- Mounts on any non metallic surface
- Quad band 2G, 3G and WiFi
- ISM: 868 and 915MHz

General Description

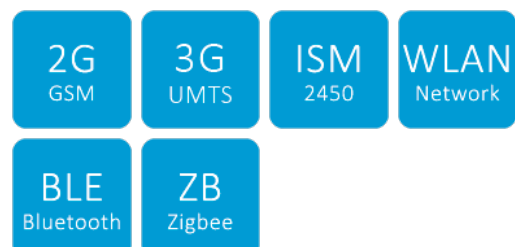
The Alpha 3A multi band antenna is based on an efficiently tuned PCB element that is matched with a wide variety of RF & M2M modules, operating on quad band 2G, 3G, ISM and WiFi frequencies. It is designed as a ready to go antenna which fits most telemetry products.

Already proven in many applications where space is at a premium, this product is ideal as it is ground plane independent and compact, making it a popular choice where the user does not want to draw attention to having telemetry equipment on board.

Alternative cable lengths or connector types can be specified for volume orders.

Additional Considerations

- Mounts discretely in installation, good for covert use
- Operates on all quad band GSM and 3G cellular networks
- ISM and WiFi capable
- Meets all EU compliance criteria for electronic goods
- Intended for internal use





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Electrical Specifications

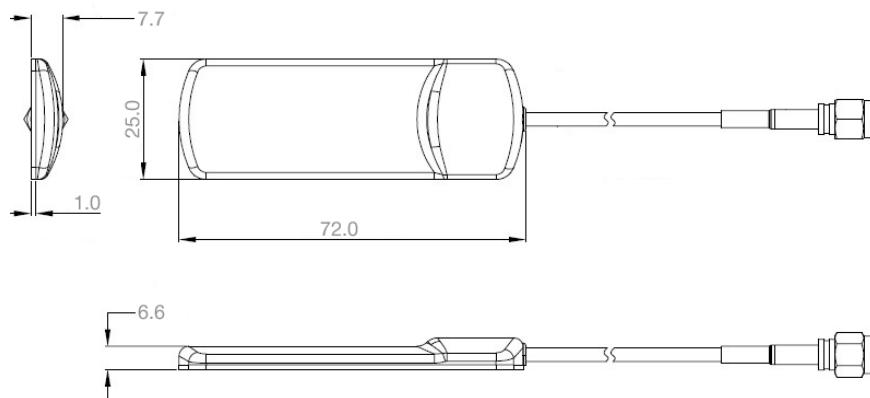
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|--------------------|------------------------------------|
| Temperature Range: | -40 - +85°C |
| Impedance: | 50 Ohm |
| VSWR: | <2.0 |
| Gain: | 2dBi |
| Frequency Range: | 824-894/1710-2170/ 2400-2500MHz |
| Polarization: | Linear |

Key Specifications - Electrical

| | |
|------------------------|-------------|
| Operating Temperature: | -40 - +85°C |
| Relative Humidity: | Up to 95% |

Mechanical Specifications

| | |
|------------------|-----------------------|
| Dimensions: | L72 x W25 x H7.7mm |
| Cable: | RG174 |
| Connector: | SMA Male / FME Female |
| Radome Material: | ABS |
| Mounting Method: | Adhesive |

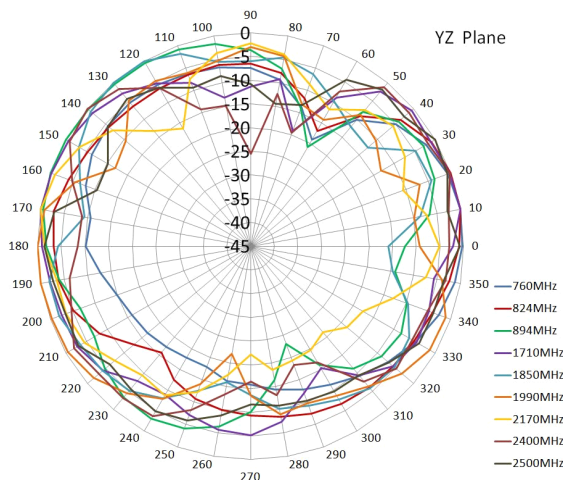
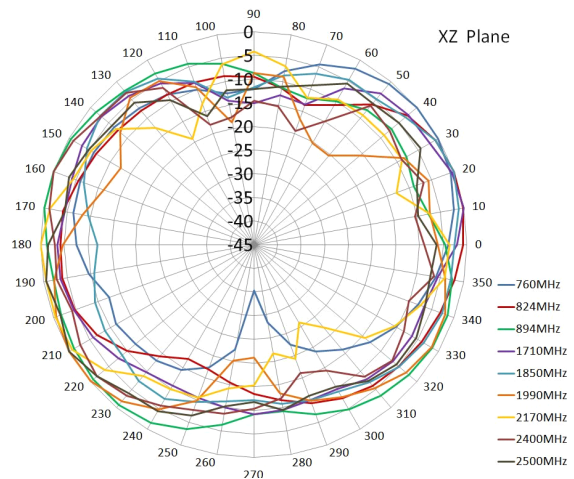
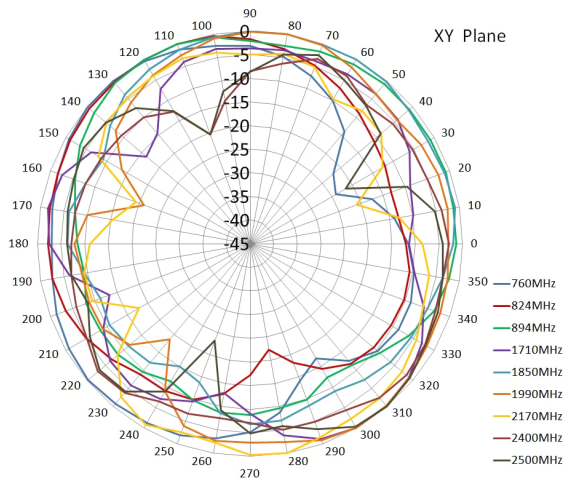




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Radiation Patterns



Ordering Details

| Part Number | Description |
|--------------------------|---|
| ALPHA3A/3M/SMAM/S/S/26 | 2G / GPRS, 3G, ISM & WiFi Blade Antenna |
| ALPHA3A/0.4M/FMEF/S/S/26 | 2G / GPRS, 3G, ISM & WiFi Blade Antenna |

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