



Alpha 10

2.4GHz WiFi / Bluetooth Blade Antenna



Key Features

- Gain 2.6 to 3dBi
- WiFi: 2400 - 2500MHz
- Mounts on any non metallic surface

General Description

The Alpha 10 is a slim, adhesive base WiFi 2.4GHz blade antenna.

The Alpha 10 is tuned to operate within the 2.4GHz to 2.5GHz band, making this antenna perfect for WiFi, Bluetooth and Zigbee applications.

The Alpha 10 achieves a reputable peak gain of 3.03dBi, helping to improve the short range signal transmission/reception of WiFi modems, Bluetooth gadgets or low power ZigBee sensors.

Custom cable lengths and alternative connector types can be supplied for volume orders.

Additional Considerations

- Mounts discretely, good for covert use
- Intended for internal to equipment use
- Meets all EU compliance criteria for electronic goods





Alpha 10

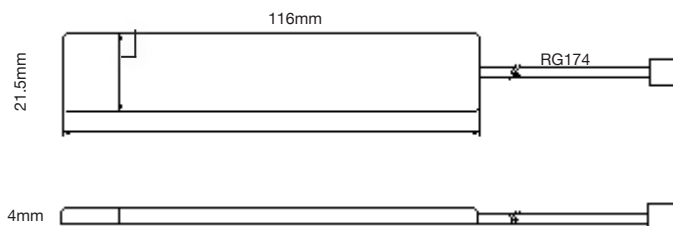
2.4GHz WiFi / Bluetooth Blade Antenna

Electrical Specifications

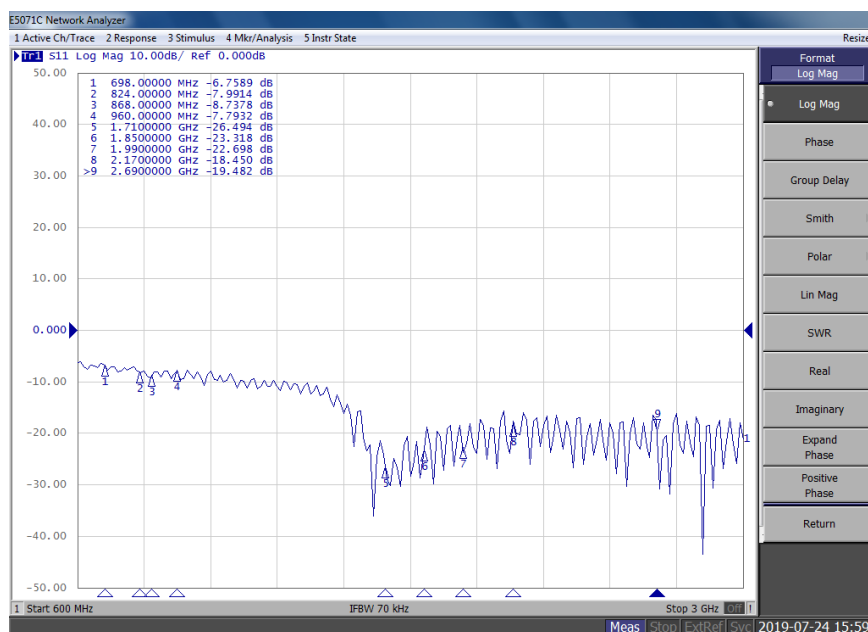
Operating Temp Range:	-40 - 85°C
Impedance:	50 Ohm
Peak Gain:	3.03dBi
VSWR:	≤1.5:1
Max Input Power:	50W
Frequency:	2400 - 2500MHz
Polarization:	Vertical

Mechanical Specifications

Dimensions:	L115 x W22 x 4mm
Cable:	RG174
Mounting Method:	Adhesive



Return Loss

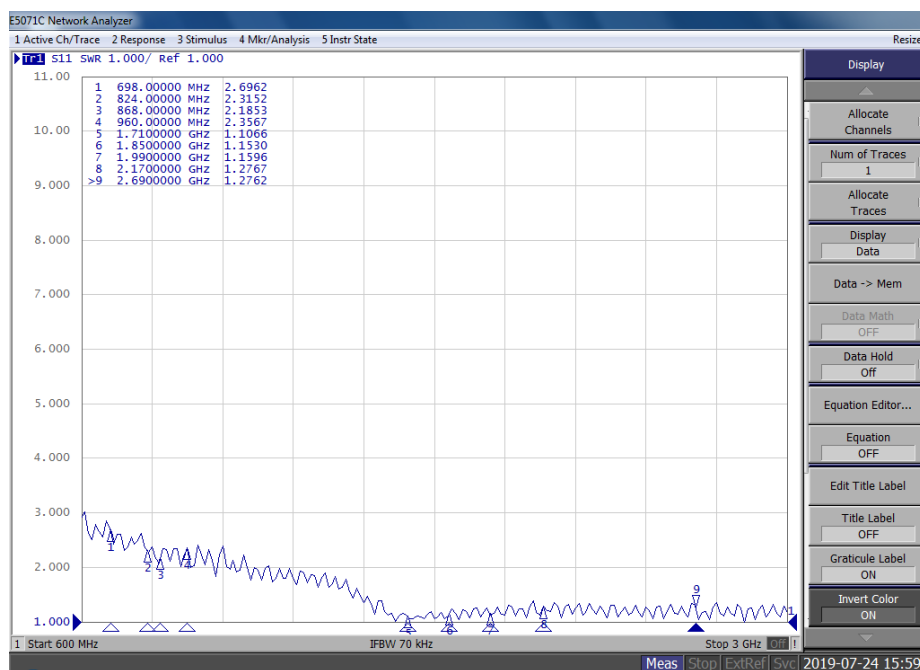




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VSWR



Ordering Details

Part Number	Description
ALPHA10/2.5M/SMAM/S/S/20	2.4GHz WiFi / Bluetooth Blade Antenna 2.5M SMA Male

Mouser Electronics

Authorized Distributor

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[ALPHA10/2.5M/SMAM/S/S/20](#)