

# Antenna, Whip Hinge

ERF4007

## Description

The ERF4007 antenna is a black antenna with a hinged design and a SMA (Male) connector.

The hinged design enables the antenna to be positioned at its most suitable angle with a maximum of 90°. The antenna can also be used for applications in these frequency bands: 1,7 GHz to 1,8 GHz.

The antenna can be used for applications such as IoT , LTE and GSM.



## Technology

- NB-IoT
- LoRa
- LTE-M
- GSM
- 2G/3G/4G
- Zigbee

## Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	800	-8.3	< 2.2
2	868	-15.6	< 1.4
3	900	-11.3	< 1.7
4	915	-9.6	< 2.0
5	1.800	-5.7	< 3.2
6	1.900	-14.7	< 1.5
7	2.100	-8.0	< 2.3
8	2.600	-3.0	< 5.8
<b>Nominal Impedance</b>		50 Ω	

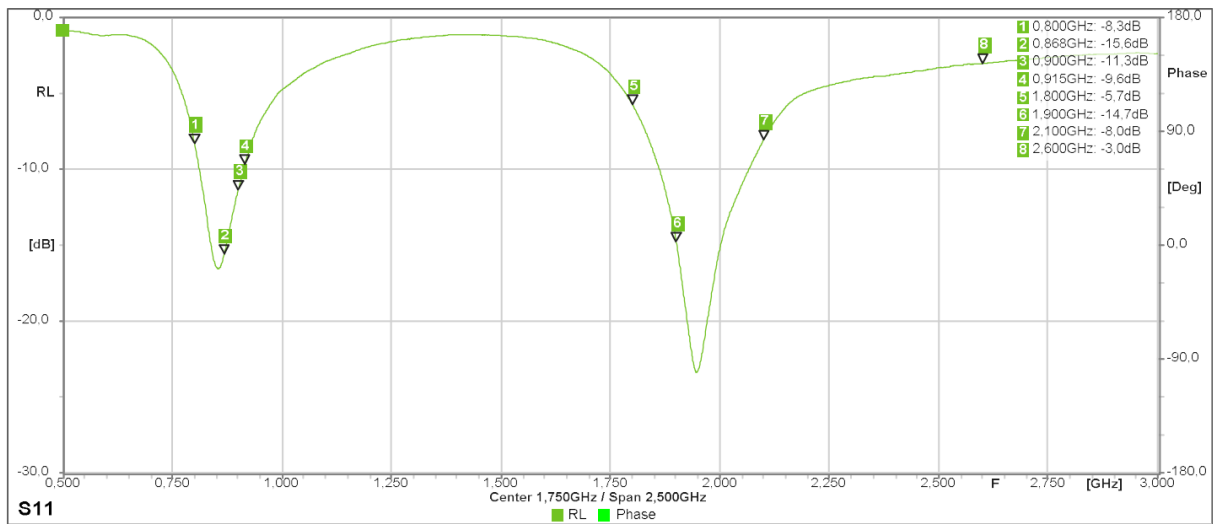
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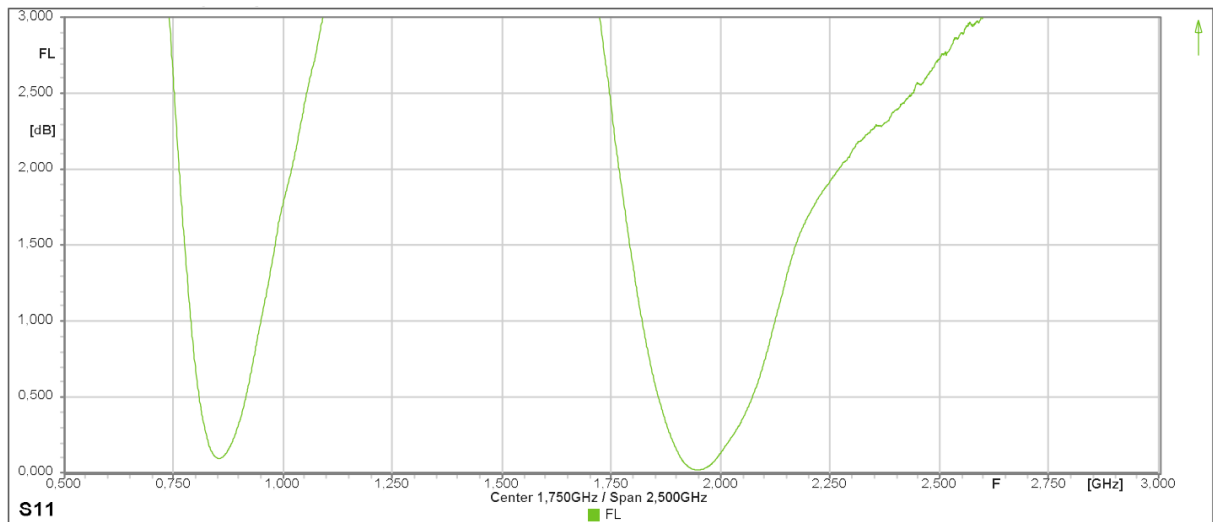
<b>Polarization</b>	Vertical
<b>Mechanical Properties</b>	<b>Description</b>
<b>Antenna</b>	External Antenna
<b>Mounting</b>	Screw Type
<b>Connector</b>	SMA (Male)
<b>Dimensions</b>	104 mm ±2
<b>Color</b>	Black
<b>Operating Temperature</b>	-20°C~+60°C
<b>Storage Temperature</b>	-30°C~+70°C

## Antenna Properties

Return Loss



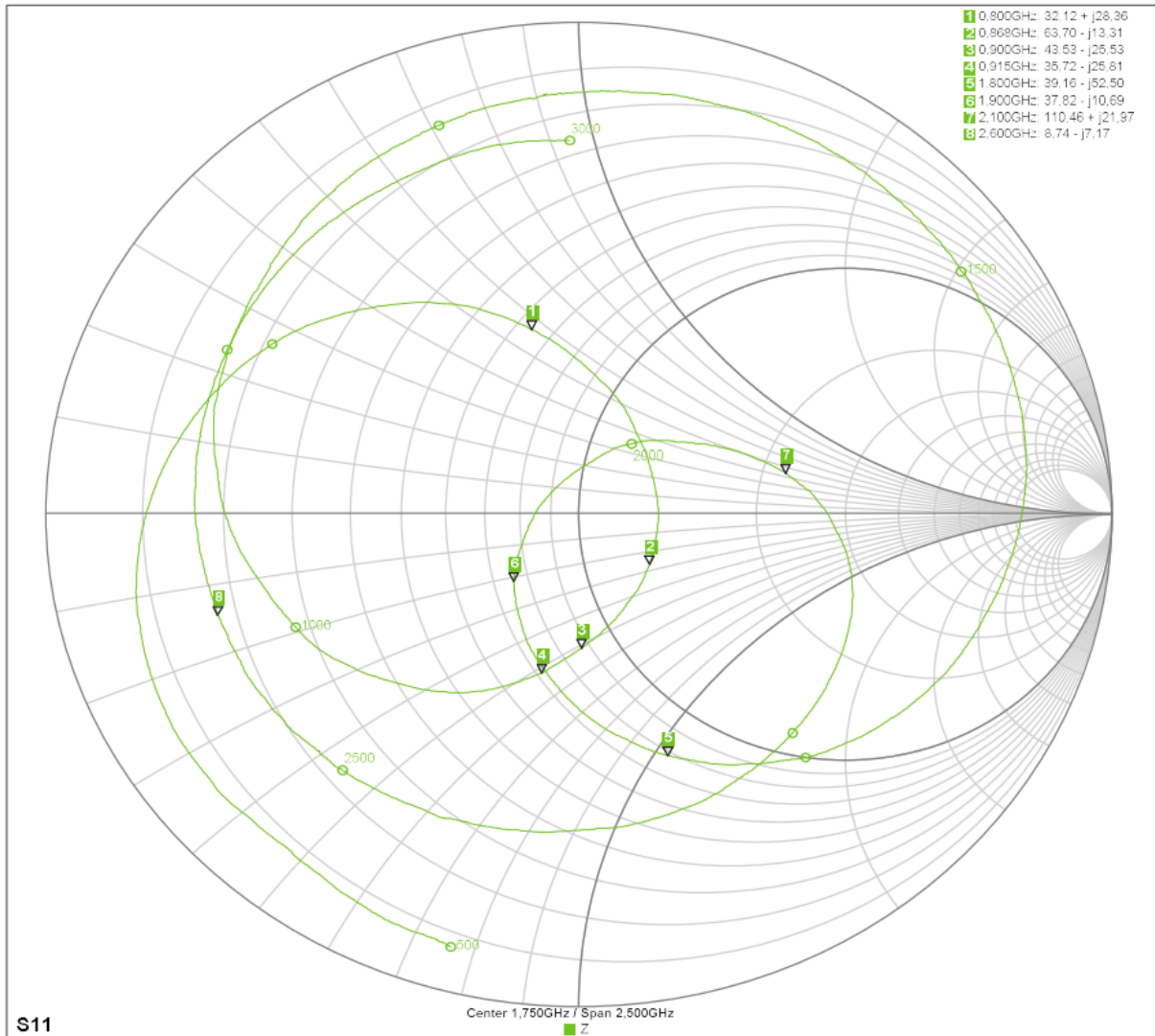
Forward Loss



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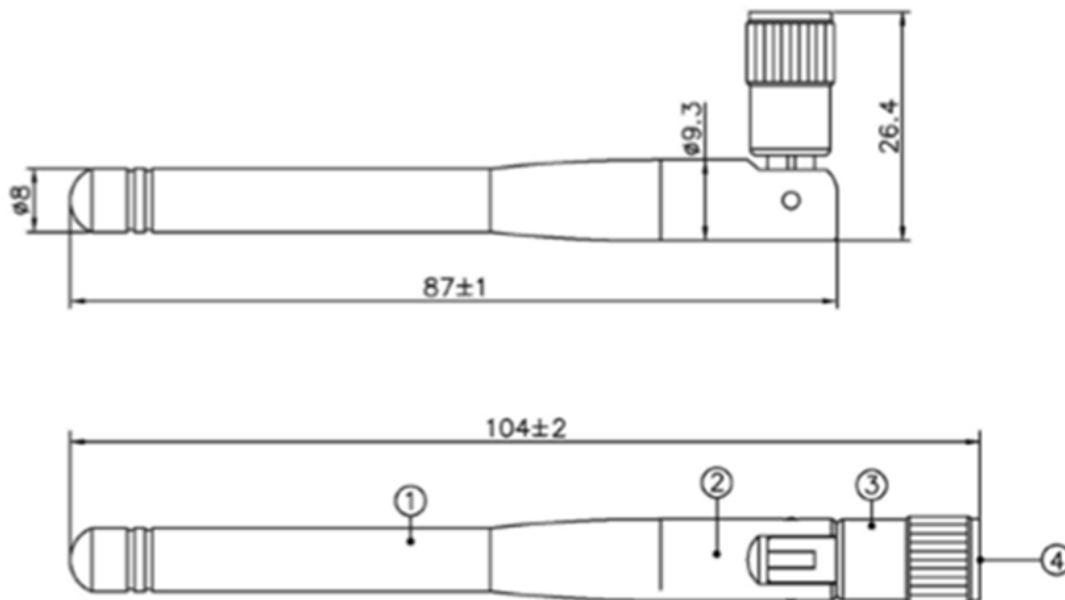
Impedance



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## Dimensions



## Connector



SMA Male



SMA Female



RP-SMA Male



RP-SMA Female

The ERF4007 antenna uses the SMA Male connector.

## Ordering information

Ordering can be done via [www.summit-electronics.com](http://www.summit-electronics.com) or via [info@summit-electronics.com](mailto:info@summit-electronics.com). Please contact us for more information. Customisation of the product is available on request.

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## Technical support

For all product questions please contact us via [info@summit-electronics.com](mailto:info@summit-electronics.com)

## Document revision

Rev	Date	changes
V01.00	06-04-2023	First issue of document