

Antenna, Whip Hinge

ERF4102

Description

The ERF4102 is a 868/915Mhz antenna with 50 cm cable and U.FL connector, with hinged design. The antenna can be used for applications such as, M2M, 868/915MHz , cellular, WiFi, Bluetooth and many more.

Technology

- LTE-M / CAT-M
- 868 / 915 MHz
- 2G/3G/4G/5G
- WiFi
- LoRa
- NB-IoT
- ISM
- Zigbee
- Bluetooth



Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	700	-4.3	<4.1
2	800	-6.8	<2.7
3	868	-11.8	<1.7
4	900	-7.3	<2.5
5	915	-7.6	<2.4
6	1.800	-7.9	<2.3
7	1.900	-6.5	<2.8
8	2.100	-6.1	<3.0

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9	2.400	-9.6	<2.0
10	2.600	-9.2	<2.1
11	3.500	-11.0	<1.8
12	5.000	-14.1	<1.5
13	5.800	-8.9	<2.1
Nominal Impedance	50 Ω		
Polarization	Linear		
Gain	3.0 dBi		

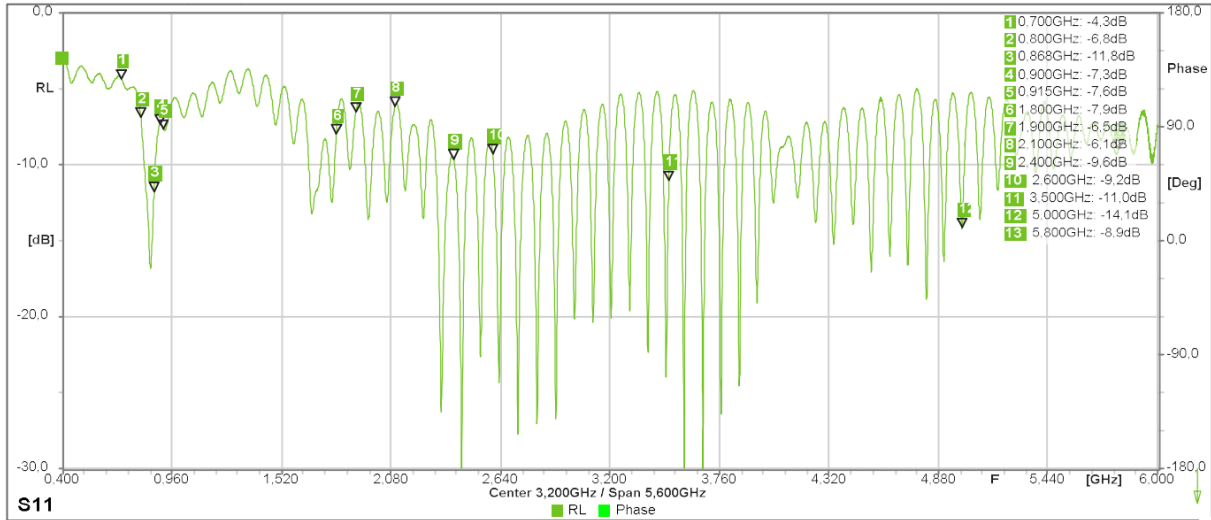
Mechanical Properties	Description
Antenna	External Antenna
Mounting	Screw type
Connector	U.FL
Dimensions	192 ± 3 mm
Color	Black
Cable Length	50 cm ± 1
Cable Type	RF1.37
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

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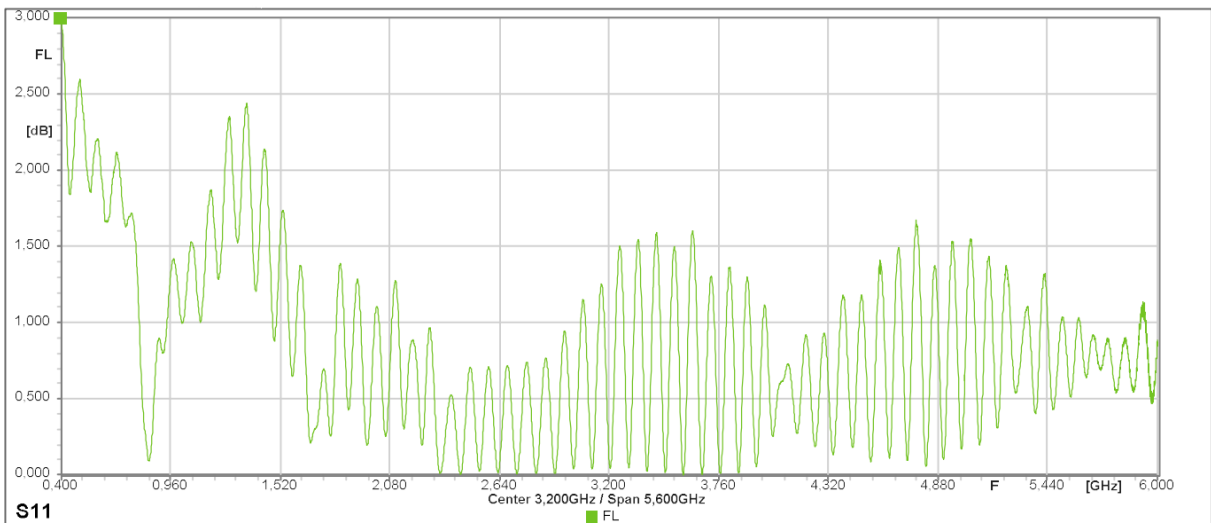
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Antenna Properties

Return Loss



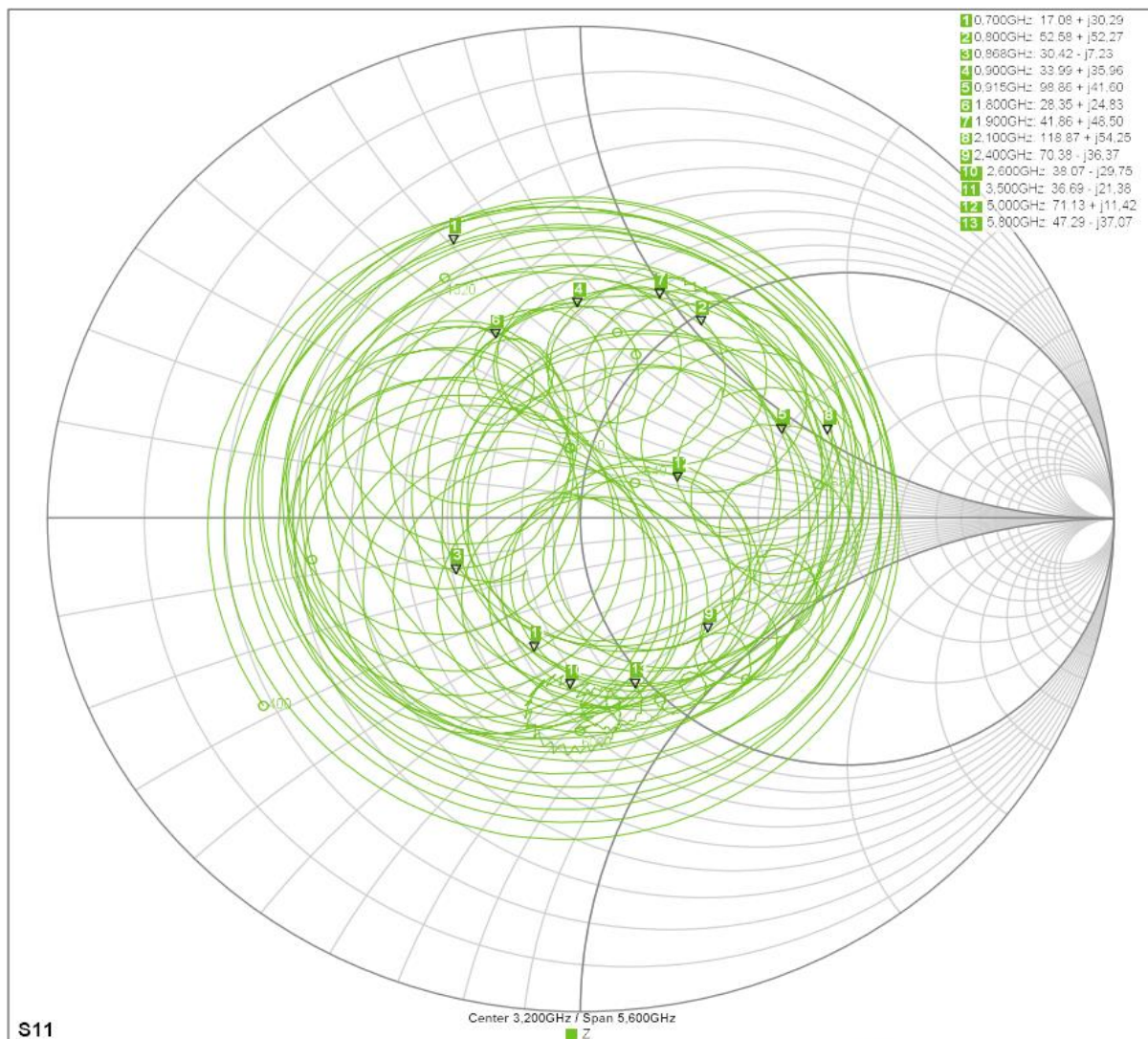
Forward Loss



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Impedance

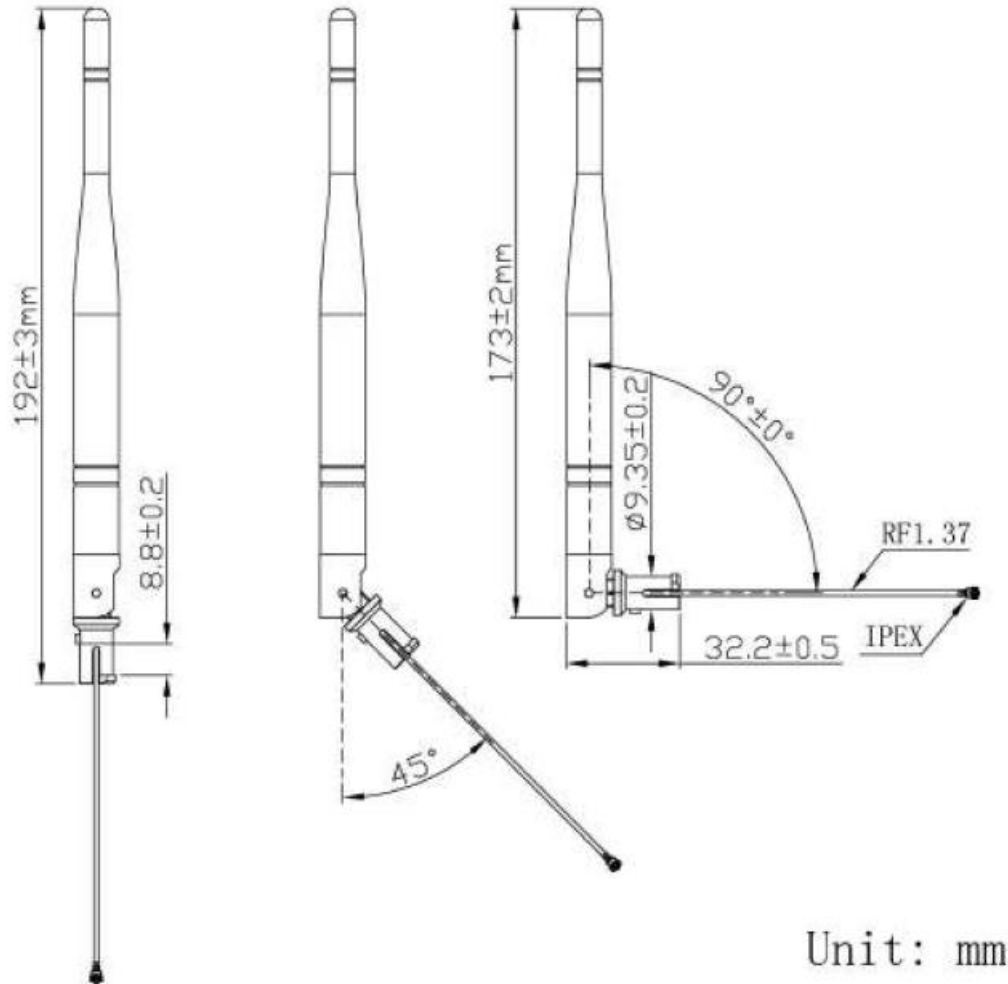


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Dimensions

*unit: mm



Connectors



SMA Male



SMA Female



RP-SMA Male



RP-SMA Female

The ERF4102 antenna uses an U.FL connector.

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Ordering information

Ordering can be done via www.summit-electronics.com or via info@summit-electronics.com. Please contact us for more information. Customisation of the product is available on request.

Technical support

For all product questions please contact us via info@summit-electronics.com

Document revision

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