

Antenna, Strip

ERF4019

Description

The ERF4019 is a black 868MHz antenna with 5m cable and SMA Female connector. The antenna can be used for applications such as, M2M, LoRa and Zigbee.



Technology

- LoRa
- Zigbee
- WiFi
- Bluetooth



Features

Electrical Properties

Description

Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	434	-7.9	< 2.3
2	450	-8.8	< 2.1
3	700	-17.5	< 1.3
4	800	-14.5	< 1.5
5	868	-19.3	< 1.2
6	900	-17.8	< 1.3
7	915	-14.1	< 1.5
8	1.200	-14.1	< 1.5
9	1.575	-14,9	< 1.4
10	1.800	-18.9	< 1.3
11	1.900	-19.3	< 1.2
12	2.100	-19.1	< 1.3
13	2.400	-13.8	< 1.5

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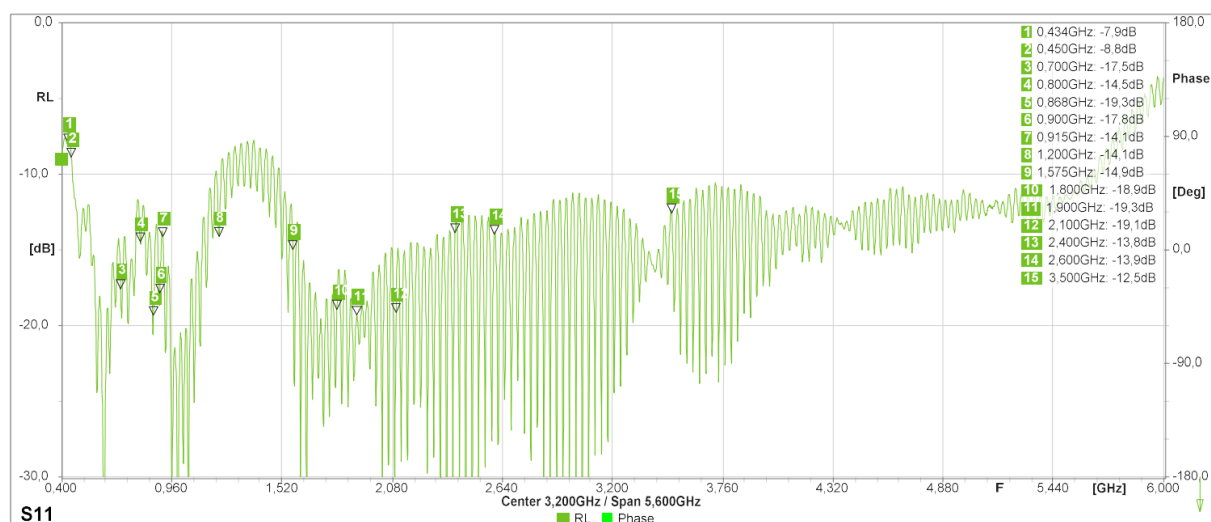
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14	2.600	-13.9	< 1.5
15	3.500	-12.5	< 1.6
Nominal Impedance	50 Ω		
Polarization	Linear		

Mechanical Properties	Description
Antenna Type	External Strip Antenna
Mounting	Adhesive
Connector	SMA Female
Dimensions	115.5 *22.2 mm ±2
Cable Length	500 cm ±1
Cable Type	RG-174 A/U
Operating Temperature	-20°C~+60°C
Storage Temperature	-20°C~+60°C

Antenna Properties

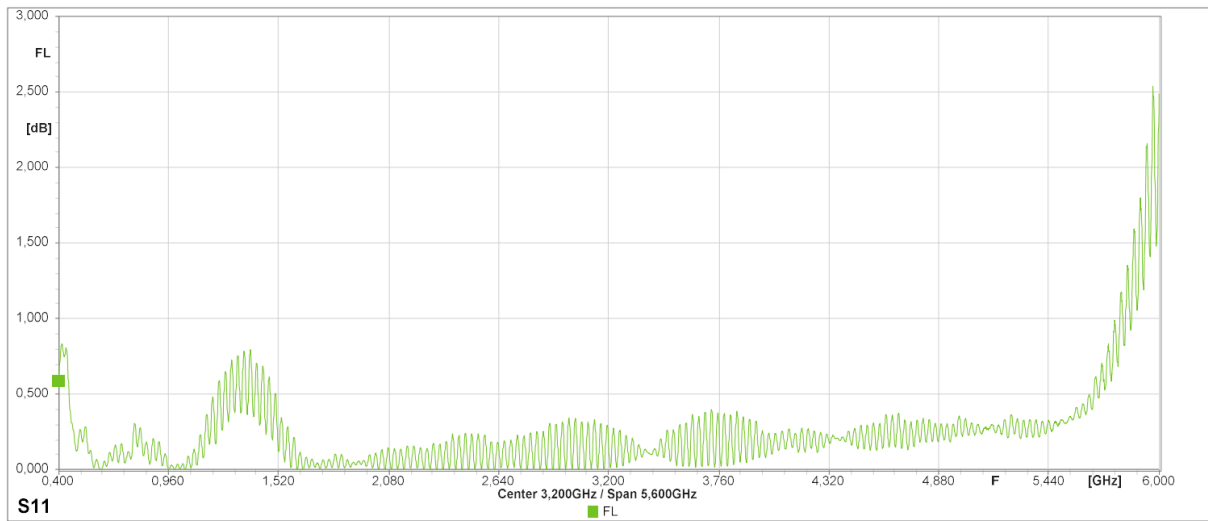
Return Loss



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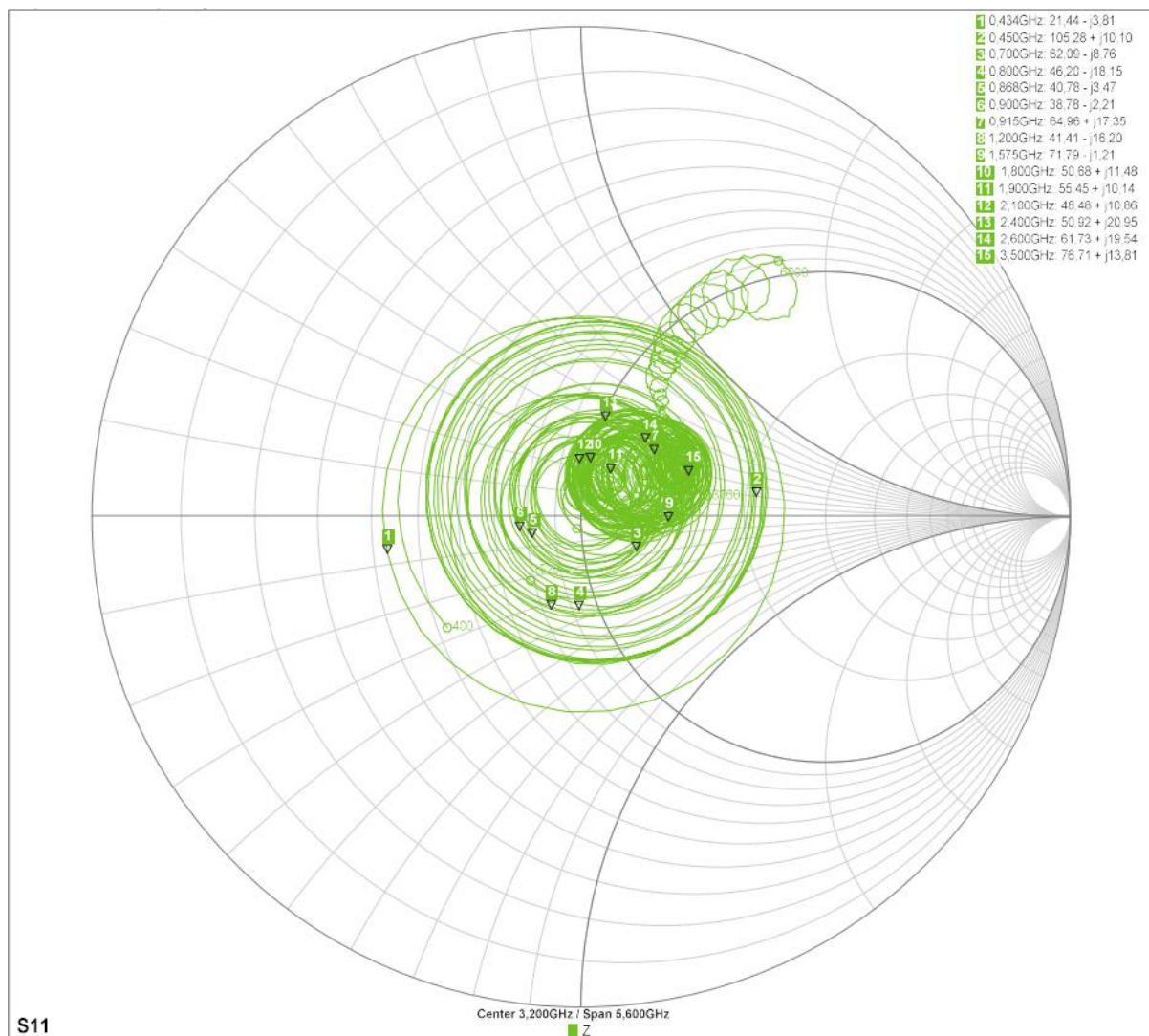
Forward Loss



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Impedance

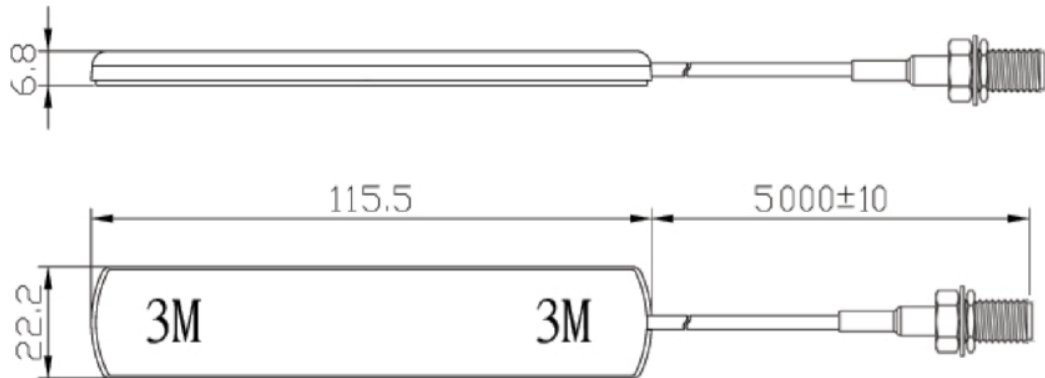


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Dimensions

*Unit: mm



Connector



The ERF4019 antenna uses the SMA Female connector.

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