

Antenna, PCB

ERF4116

Description

The ERF4116 antenna is internal 2.4 GHz antenna with an U.FL connector. The antenna can be used in the frequency range of 2400 ~ 2483.5 MHz. The antenna can be used for applications such as, M2M, WiFi, Bluetooth, Zigbee and many more.

Technology

- LTE-M / CAT-M
- ISM
- LoRa
- Bluetooth
- Zigbee
- WiFi



Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	800	-1.6	<10.9
2	900	-2.8	<6.3
3	1.800	-5.0	<3.6
4	1.900	-8.9	<2.1
5	2.100	-9.0	<2.1
6	2.400	-17.4	<1.3
7	2.600	-5.8	<3.1
Nominal Impedance	50 Ω		
Polarization	Linear		

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Gain	3.0 dBi
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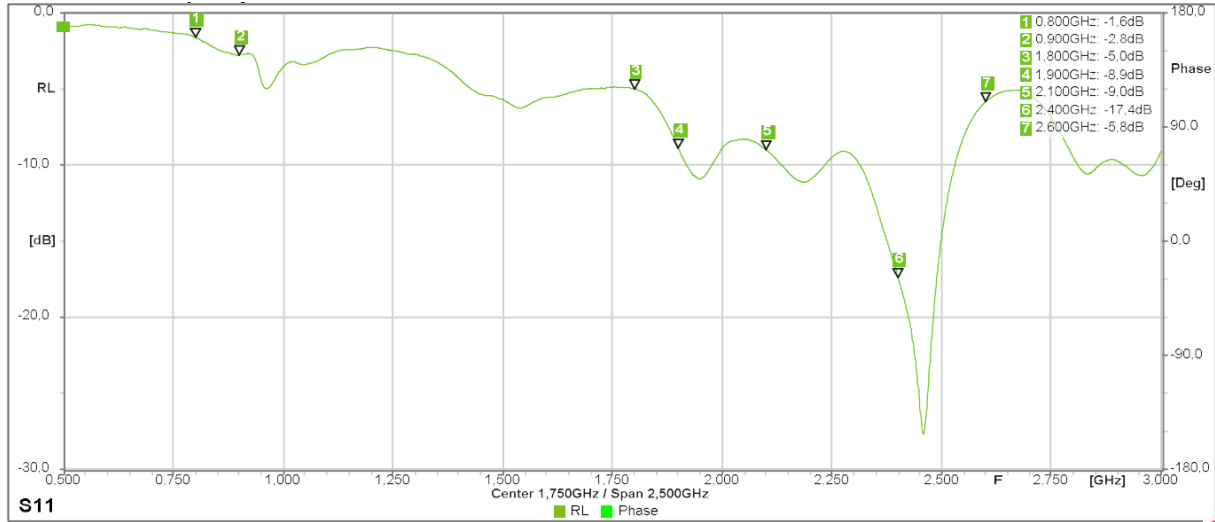
Mechanical Properties

Description

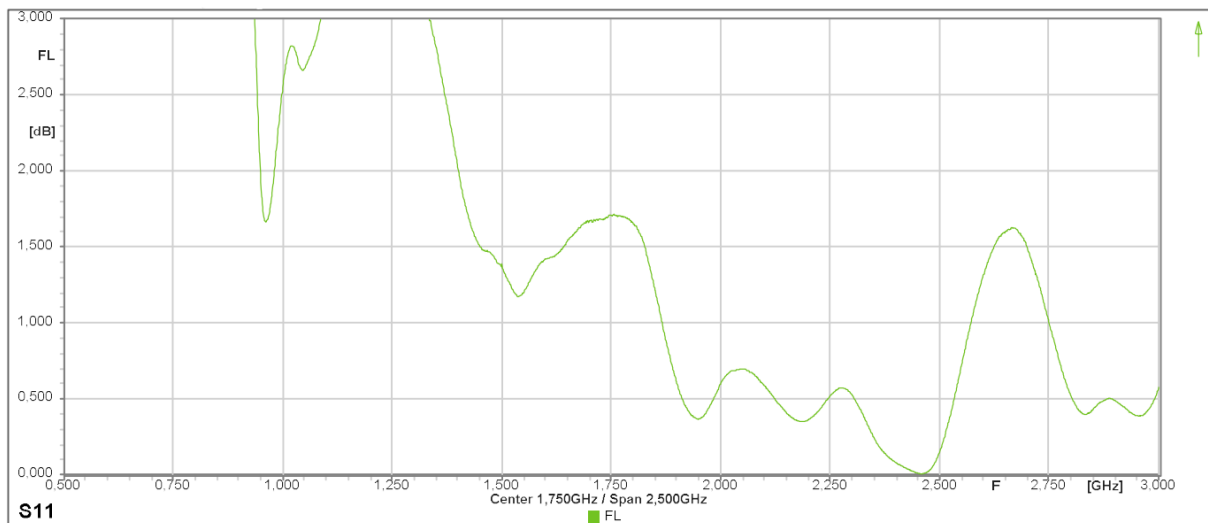
Antenna	Internal Antenna
Connector	U.FL
Cable Length	15 cm ± 1
Cable Type	RF1.13
Dimensions	6 * 38.6 * 0.8 mm
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

Antenna Properties

Return Loss



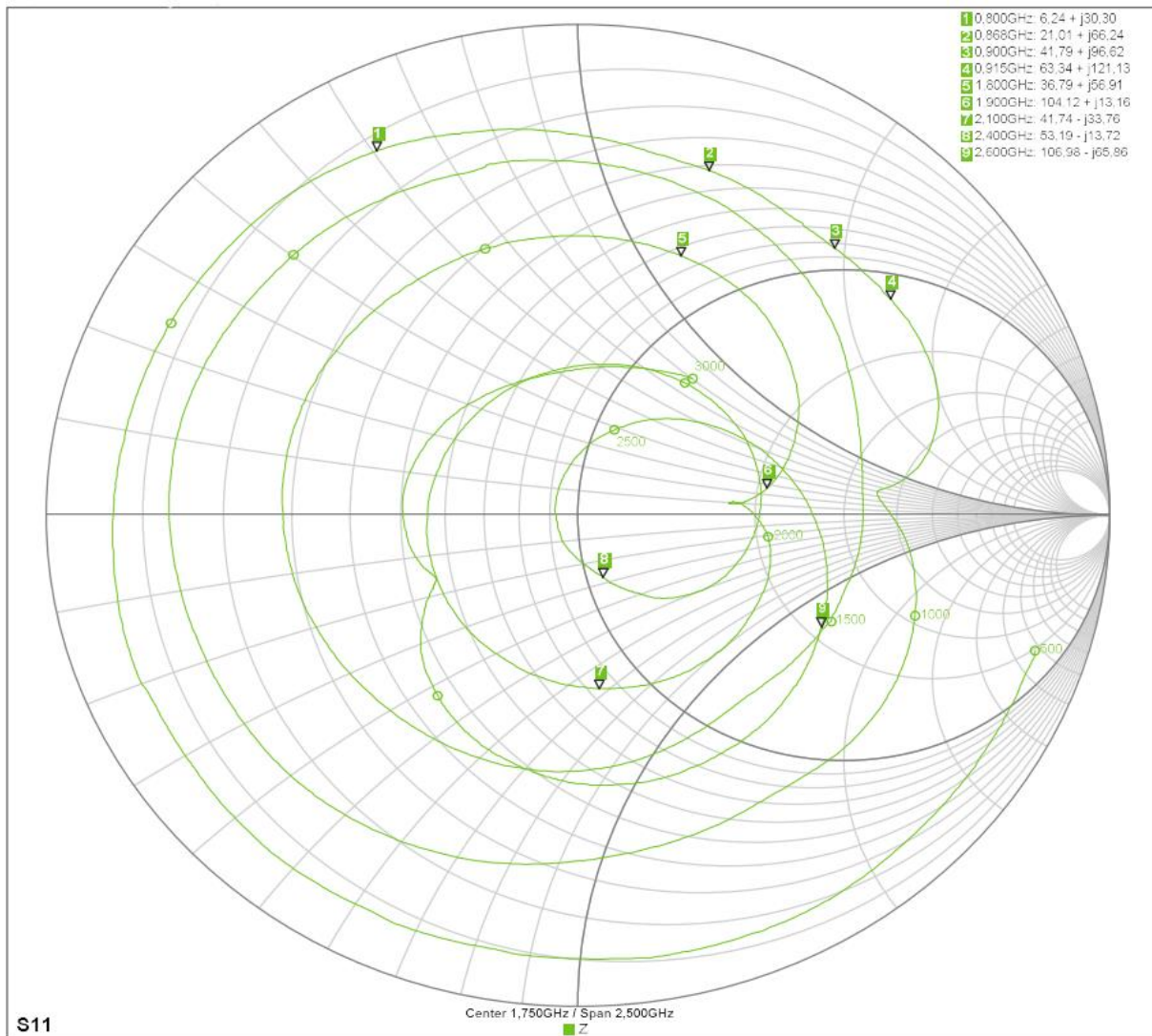
Forward Loss



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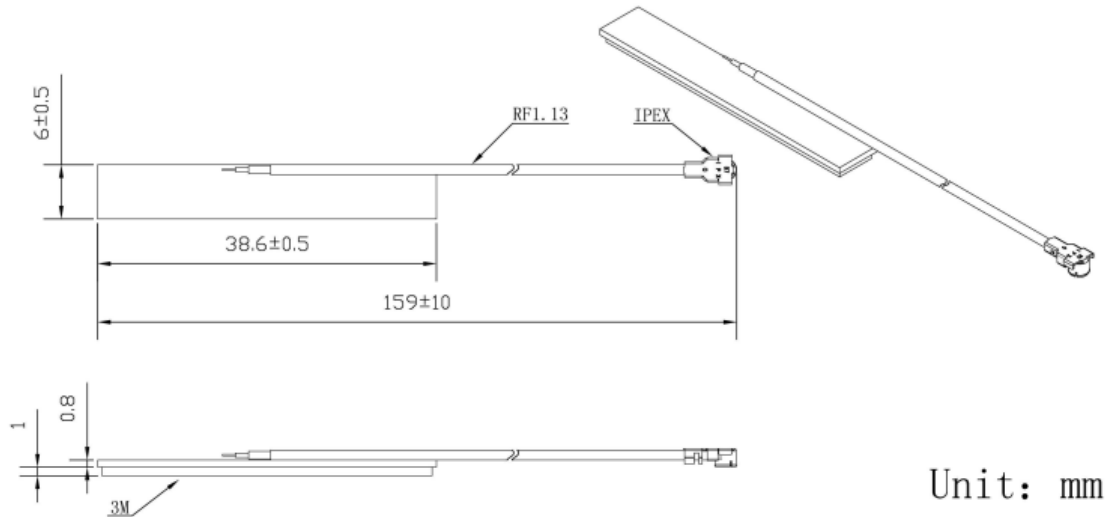
Impedance



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Dimensions



Connector

The ERF4116 antenna uses an U.FL 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

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Document revision

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