

Antenna, ERF4052

Description

The ERF4052 antenna is internal 2.4 GHz antenna with an U.FL connector. The antenna can also be used in the frequency range of 2400 ~ 2480 MHz. The antenna can be used for applications such as, M2M, WiFi, Bluetooth and Zigbee.

Technology

- Bluetooth
- Zigbee
- WiFi
- ISM
- LoRa



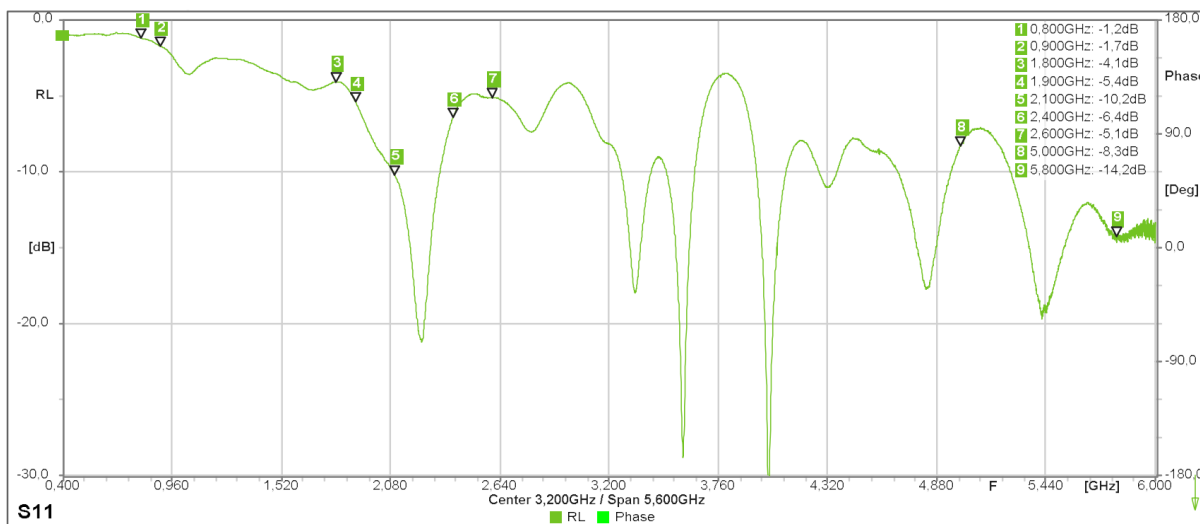
Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	800	-1.2	< 14.5
2	900	-1.7	< 10.2
3	1.800	-4.2	< 4.2
4	1.900	-5.4	< 3.3
5	2.100	-20.3	< 1.2
6	2.400	-6.4	< 2.8
7	2.600	-5.1	< 3.5
8	5.000	-8.3	< 2.2
9	5.800	-14.2	< 1.5
Nominal Impedance	50 Ω		
Polarization	Linear		
Gain	2 - 3 dBi		

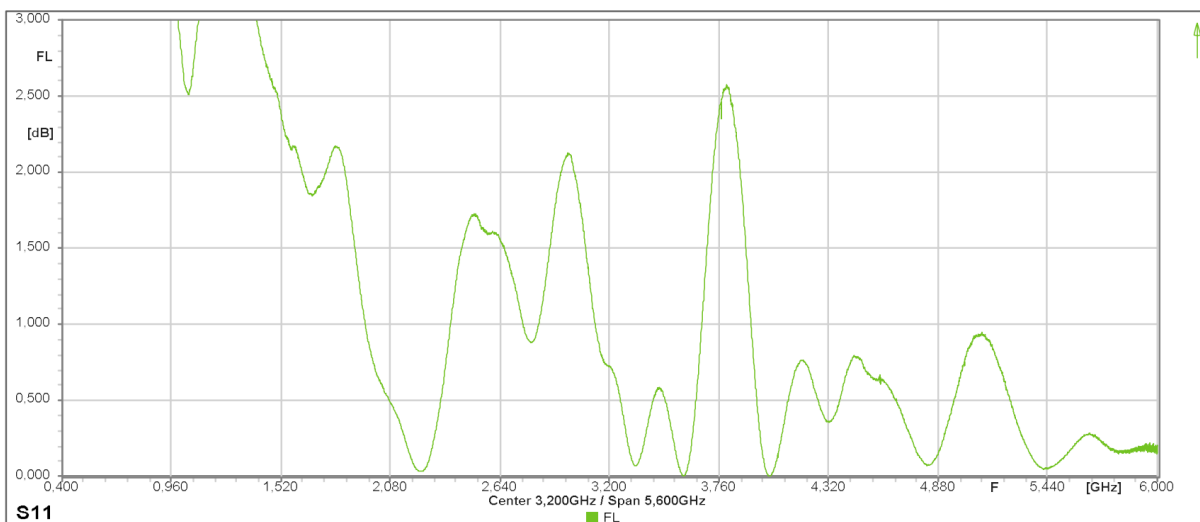
Mechanical Properties	Description
Antenna	Internal PCB Antenna
Connector	U.FL
Cable Length	10 cm ± 0.5
Dimensions	16.5 * 66.5 * 0.8 mm (D x W x H)
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

Antenna Properties

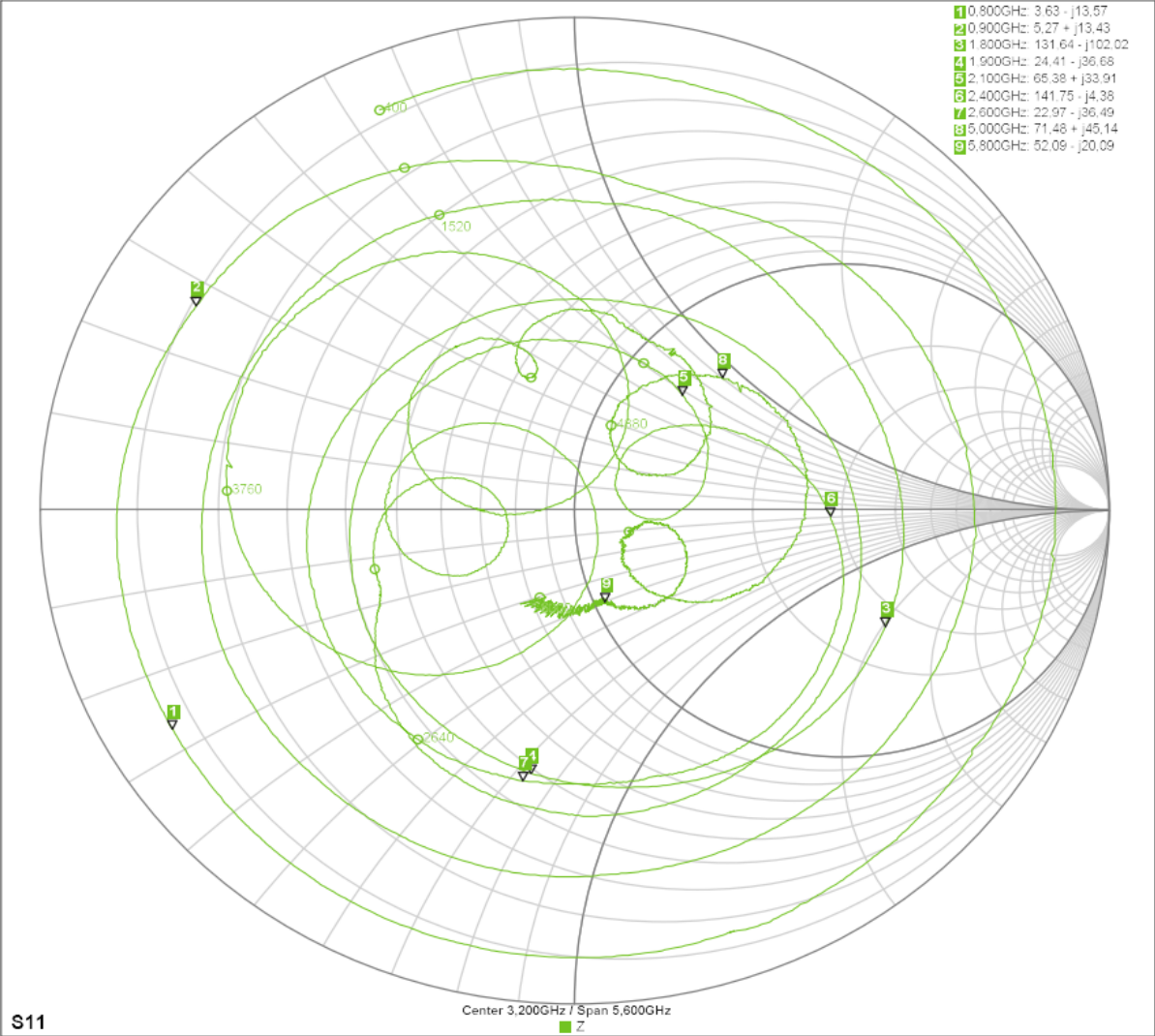
Return Loss



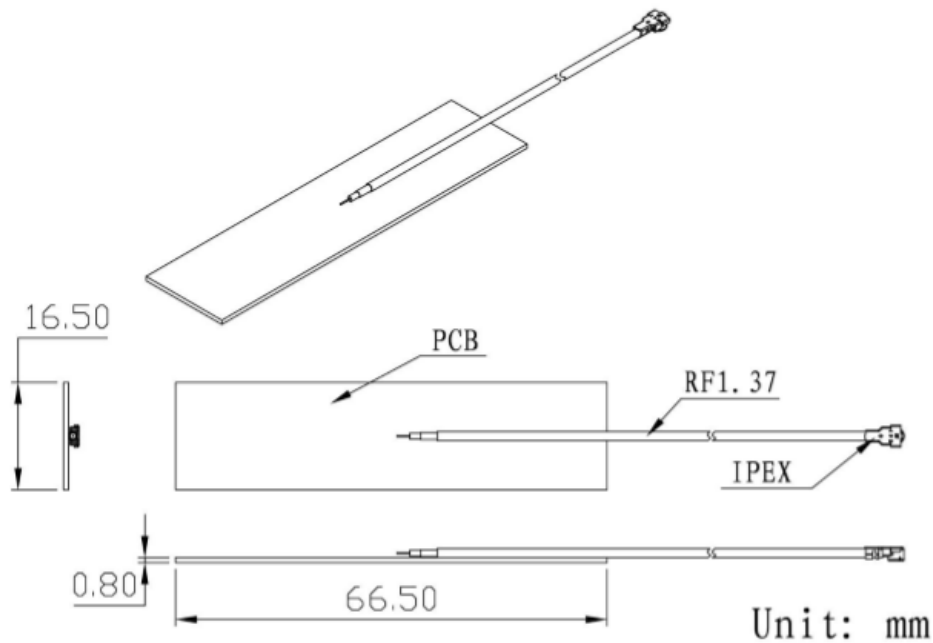
Forward Loss



Impedance



Dimensions



Connector

The ERF4052 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

Document revision

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

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