

Antenna, Whip

ERF4055

Description

The ERF4055 antenna is a black GSM antenna with an SMA Male connector. The antenna can also be used in these frequency bands: 490~520 MHz / 800 ~ 1020 MHz / 1450 ~ 4000 MHz. The antenna can be used for applications such as, GSM, 4G/3G/2G, Wi-Fi, Zigbee, UMTS, LTE and more.

Typical applications

- LTE-M CAT-M
- WiFi
- LoRa
- NB-IoT
- 5G/4G/3G/2G
- Zigbee
- UMTS



Features

Electrical Properties

Description

Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	700	-9.1	< 2.1
2	800	-16.5	< 1.4
3	868	-17.7	< 1.3
4	900	-14.5	< 1.5
5	915	-12.3	< 1.6
6	1.800	-33.6	< 1.0
7	1.900	-17.4	< 1.3
8	2.100	-11.2	< 1.8
9	2.400	-10.6	< 1.8
10	2.600	-17.1	< 1.3
11	3.500	-24.7	< 1.1

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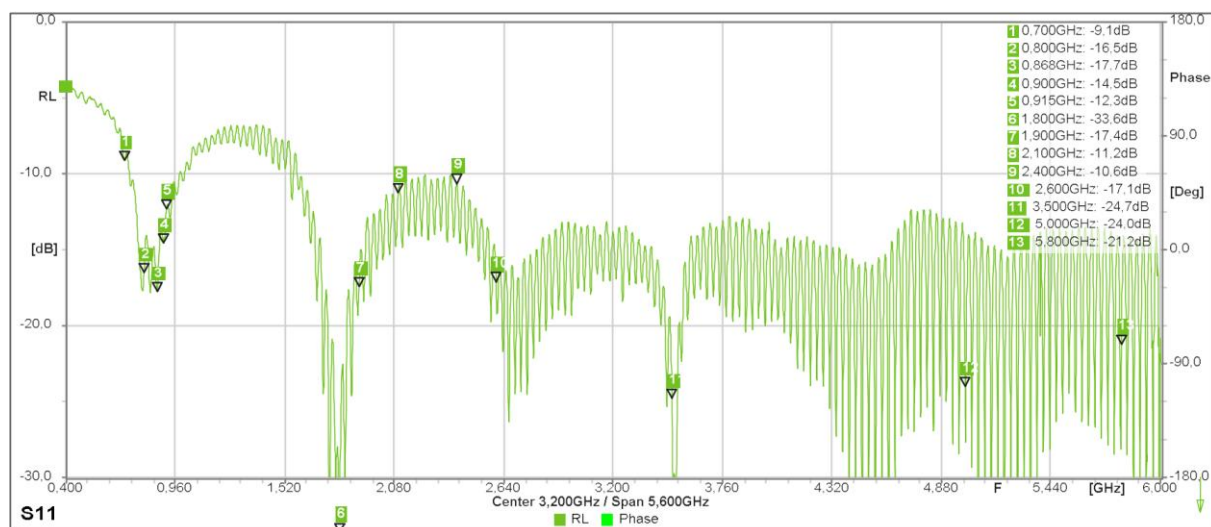
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12	5.000	-24.0	< 1.1
13	5.800	-21.2	< 1.2
Nominal Impedance	50 Ω		
Polarization	Vertical		
Gain	3 dBi		

Mechanical Properties	Description
Antenna	External Whip Antenna
Mounting	Magnetic cone
Connector	SMA (Male)
Dimensions	121.0 mm ±1
Color	Black
Cable Length	300 cm ± 1
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

Antenna Properties

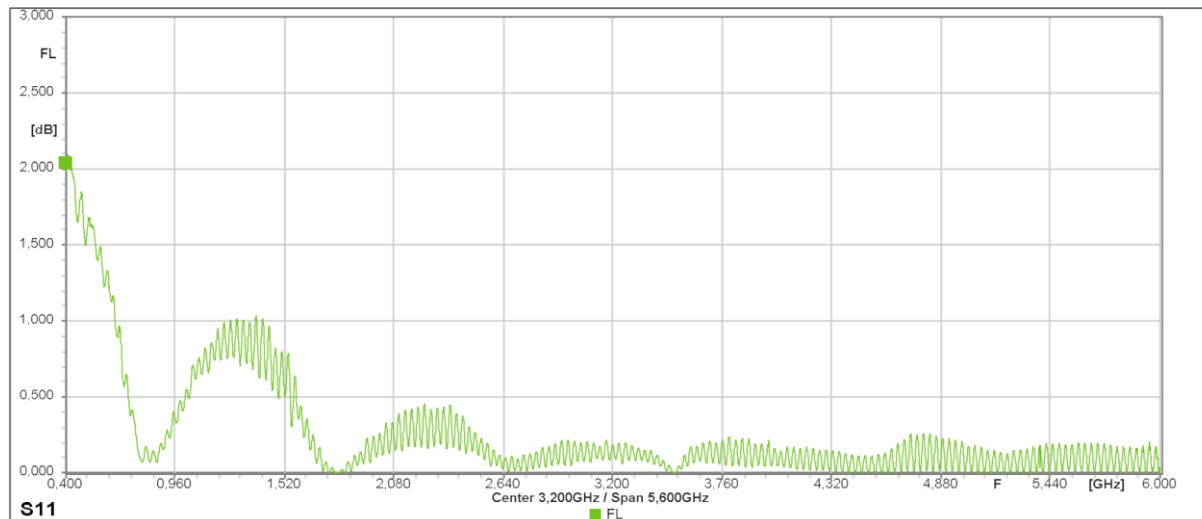
Return Loss



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Forward Loss

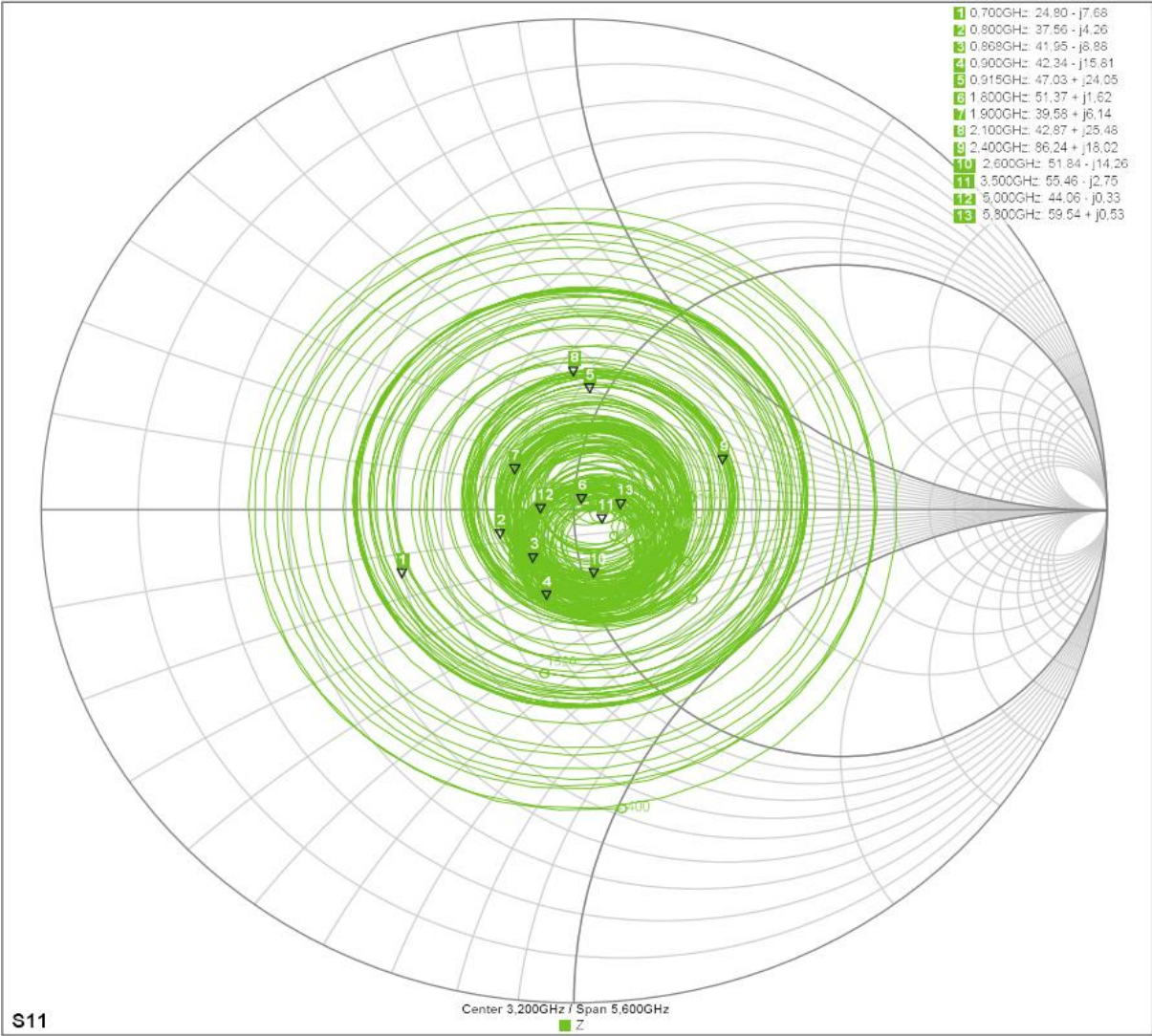


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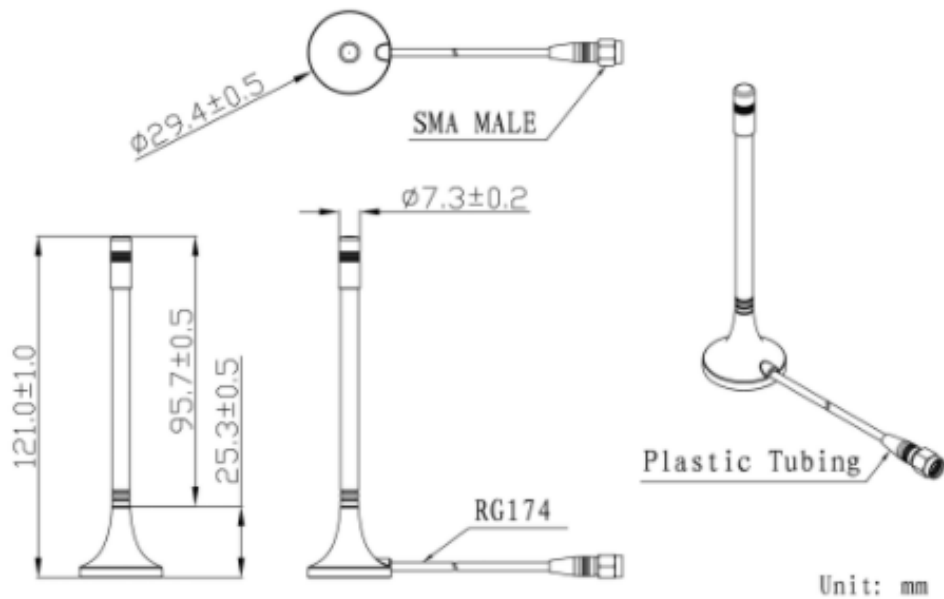
Impedance



Dimensions

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Connectors



The ERF4055 antenna uses the SMA Male 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