

Antenna, Whip

ERF4105

Description

The ERF4105 antenna is a multipurpose antenna that is suitable for multiple frequencies, it uses a 1m cable and SMA male connector. The magnetic base of the antenna allows for easy placement and integration. The antenna can be used for applications such as, M2M, 868/915MHz, cellular applications, WiFi, Bluetooth and many more.

Technology

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



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Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	700	-6.8	< 2.7
2	800	-15.8	< 1.4
3	868	-21.6	< 1.2
4	900	-15.0	< 1.4
5	915	-15.5	< 1.4
6	1.800	-6.7	< 2.7
7	1.900	-8.7	< 2.2
8	2.100	-12.5	< 1.6
9	2.400	-6.7	< 2.7
10	2.600	-6.0	< 3.0
11	3.500	-9.8	< 2.0
12	5.000	-8.6	< 2.2
13	5.800	-6.5	< 2.8
Nominal Impedance	50 Ω		
Polarization	Linear		
Gain	1.0 dBi		

Mechanical Properties	Description
Antenna	External Whip Antenna
Mounting	Magnetic Cone
Connector	SMA Male
Dimensions	89 mm \pm 2
Color	Black

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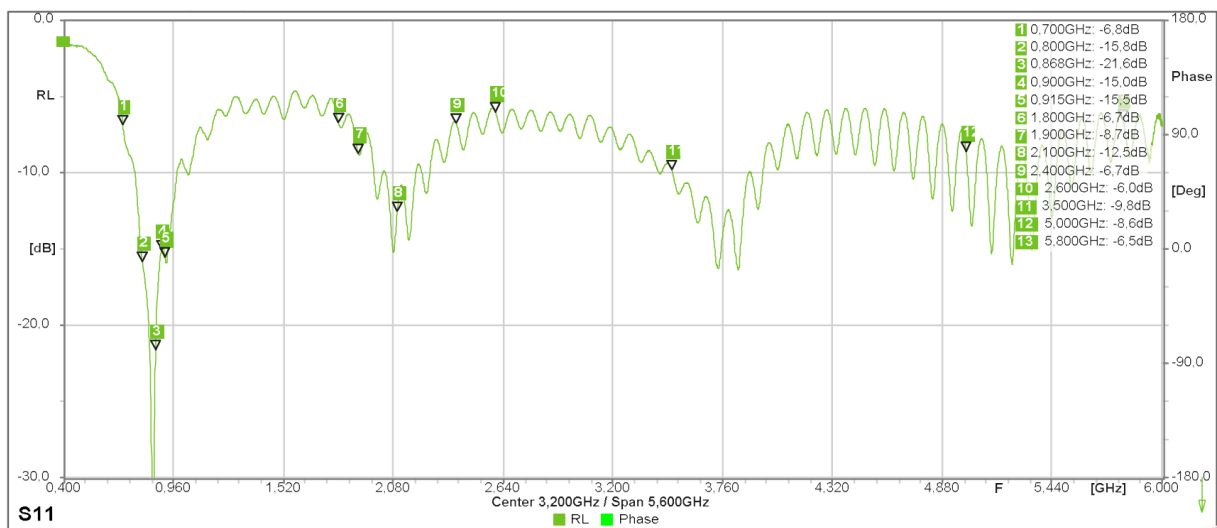
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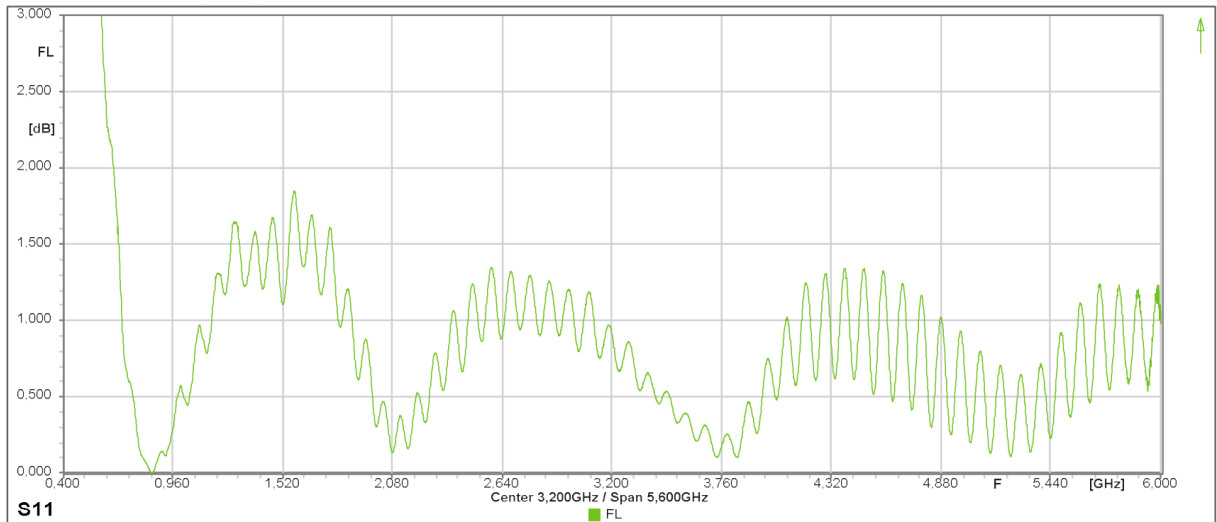
Cable type	RG174
Cable Length	100 cm ± 1
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

Antenna Properties

Return Loss



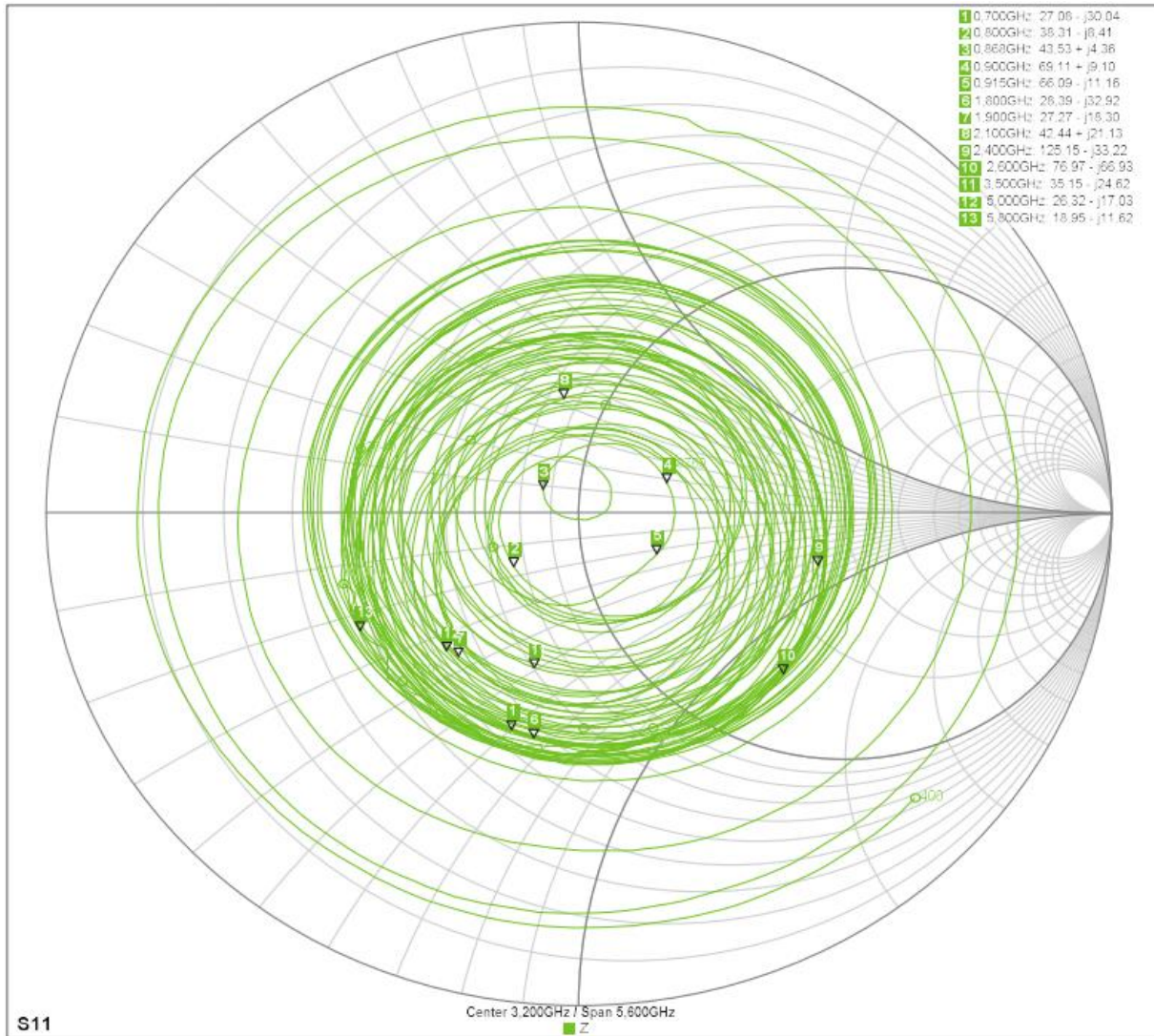
Forward Loss



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Impedance



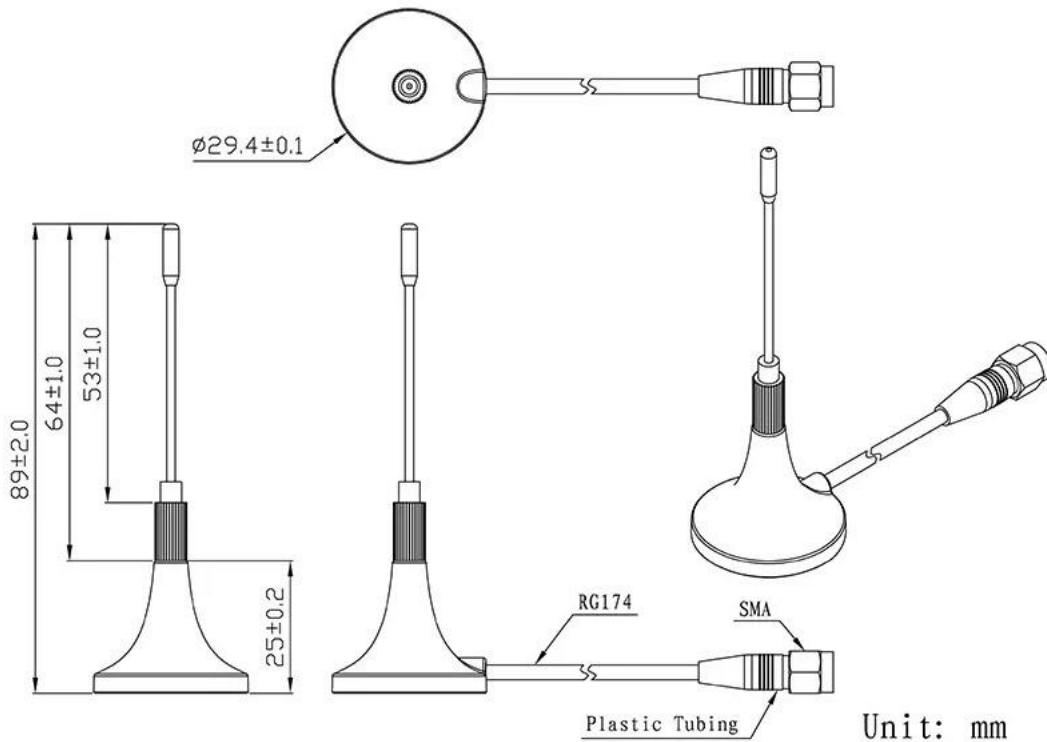
Dimensions

*unit: mm

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DIMENSIONS



Connectors



SMA Male



SMA Female



RP-SMA Male



RP-SMA Female

The ERF4105 antenna uses an 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.

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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