

Antenna, Whip

ERF4069

Description

The ERF4069 Antenna is a black 433 MHz antenna with a SMA (Male) connector. The antenna can also be used at the frequency band of : 1120~1250 MHz / 1550~4000 MHz. The antenna can be used for applications such as, M2M and 433 MHz applications , ISM and more.

Technology

- 433 MHz
- ISM
- LTE / CAT-M
- Wi-Fi
- NB-IoT
- Zigbee
- GSM
- 5G/4G/3G/2G



Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	434	-37.5	<1.0
2	450	-16.2	<1.4
3	700	-5.0	<3.6
4	800	-5.0	<3.6
5	868	-5.9	<3.1
6	900	-6.1	<3.0
7	915	-5.5	<3.3
8	1.800	-12.6	<1.6

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9	1.900	-15.2	<1.4
10	2.100	-11.7	<1.7
11	2.400	-21.1	<1.2
12	2.600	-10.7	<1.8
13	3.100	-11.8	<1.7
14	3.500	-12.8	<1.6
15	5.000	-12.6	<1.6
16	5.800	-13.0	<1.6
17	6.000	-13.2	<1.6
Nominal Impedance	50 Ω		
Polarization	Linear, Vertical		
Gain	2 dBi		

Mechanical Properties

Description

Antenna	External Whip Antenna
Mounting	Magnetic Cone
Connector	SMA (Male)
Dimensions	121.0 mm ±1.0
Color	Black
Cable Type	RG-174/U
Cable Length	3.0 m ±0.1
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

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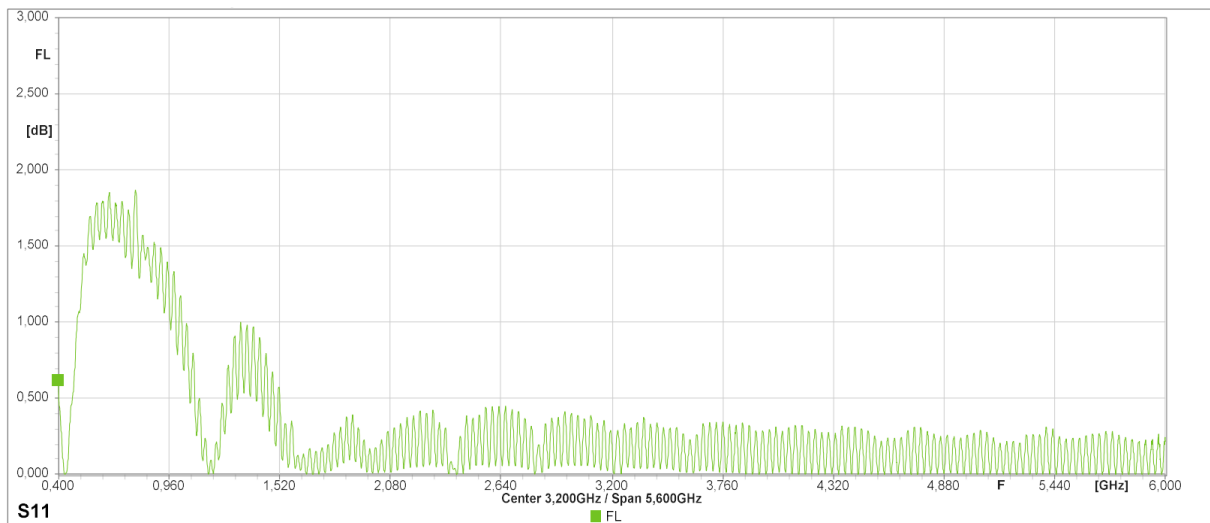


Antenna Properties

Return Loss



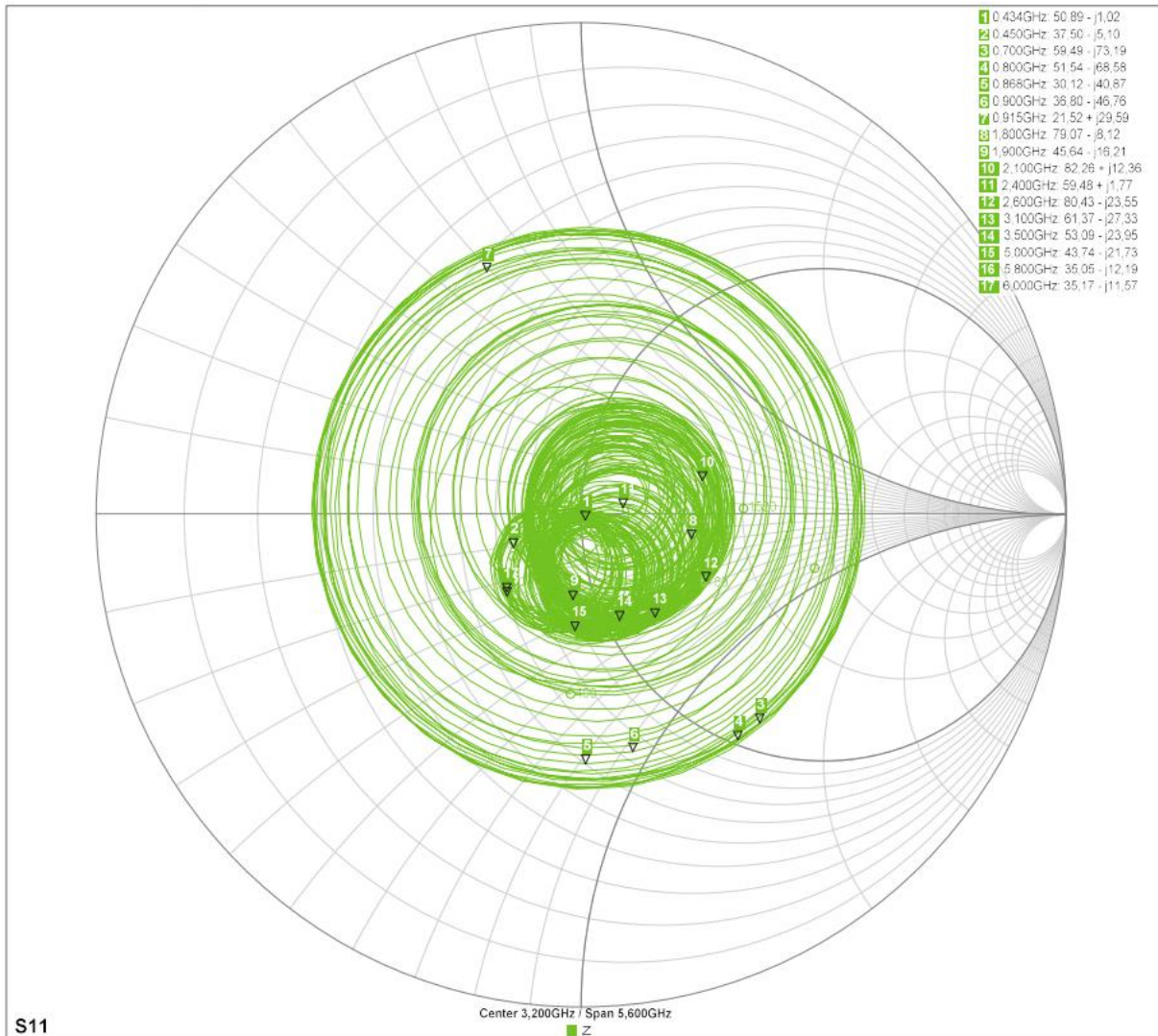
Forward Loss



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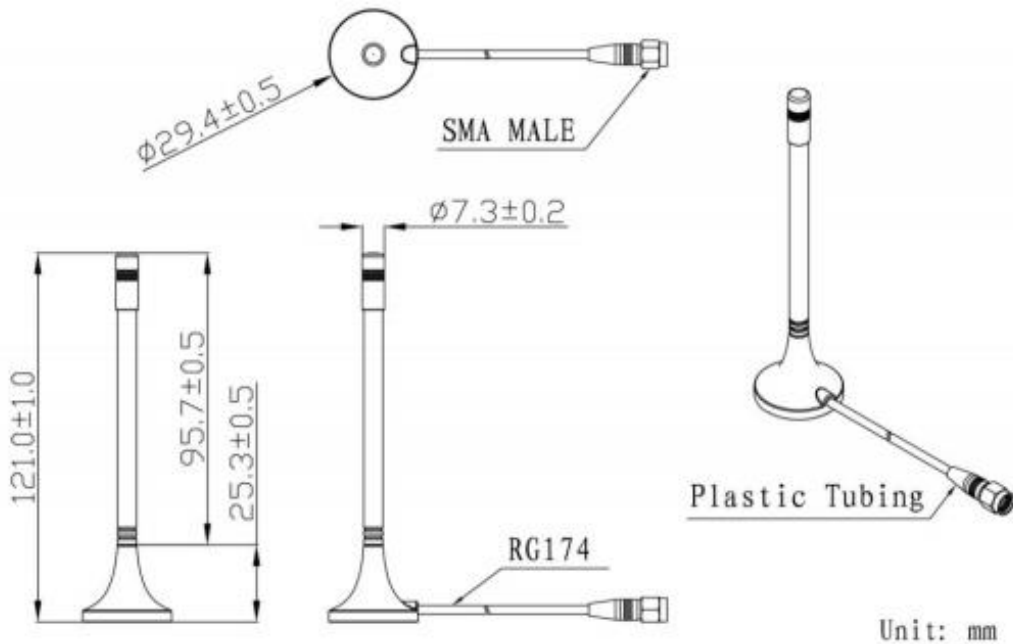
Impedance



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Dimensions



Different type of SMA connectors



SMA Male



SMA Female



RP-SMA Male



RP-SMA Female

The ERF4069 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