

Antenna, Stubby

ERF4009

Description

The ERF4009 Antenna is a black 868 MHz antenna with a SMA (Male) connector. The antenna can also be used in these frequency bands: 1800 ~ 1900 MHz and 3800 ~ 3950 MHz. The antenna can be used for applications, such as M2M, IoT, LTE and GSM.

Technology

- LTE Cat-M
- NB-IoT
- GSM

Features



Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	800	-10.7	< 1.8
2	868	-12.4	< 1.6
3	900	-8.9	< 2.1
4	1.800	-10.7	< 1.8
5	1.900	-10.2	< 1.9
6	2.100	-4.7	< 3.8
7	2.600	-1.3	< 13.4
Nominal Impedance	50 Ω		
Polarization	Vertical		

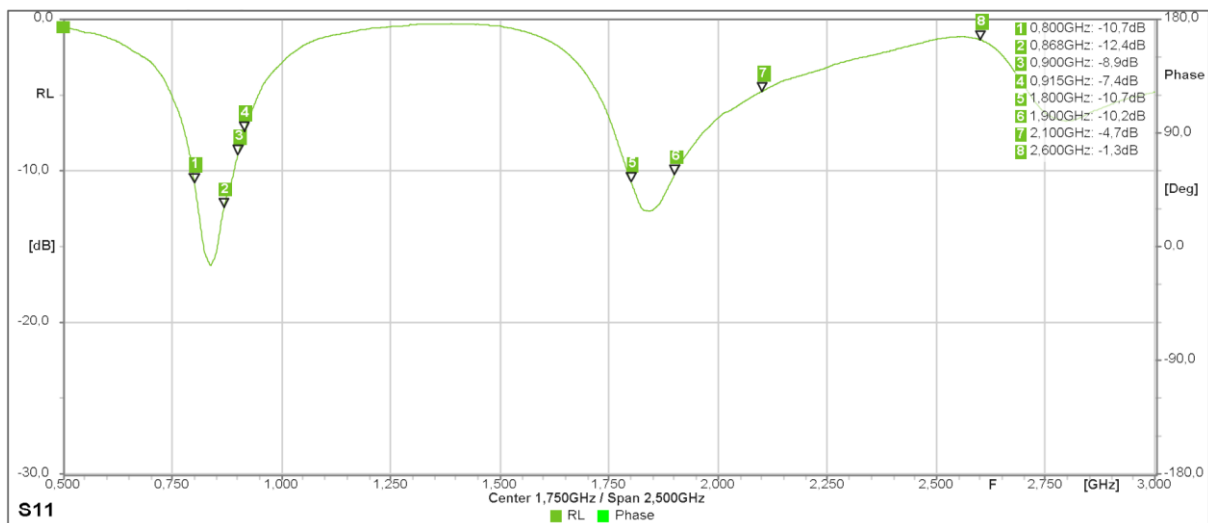
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Mechanical Properties	Description
Antenna	External Antenna
Mounting	Screw Type
Connector	SMA (Male)
Dimensions	55.9 mm ±1
Color	Black
Operating Temperature	-20°C~+60°C
Storage Temperature	-30°C~+70°C

Antenna Properties

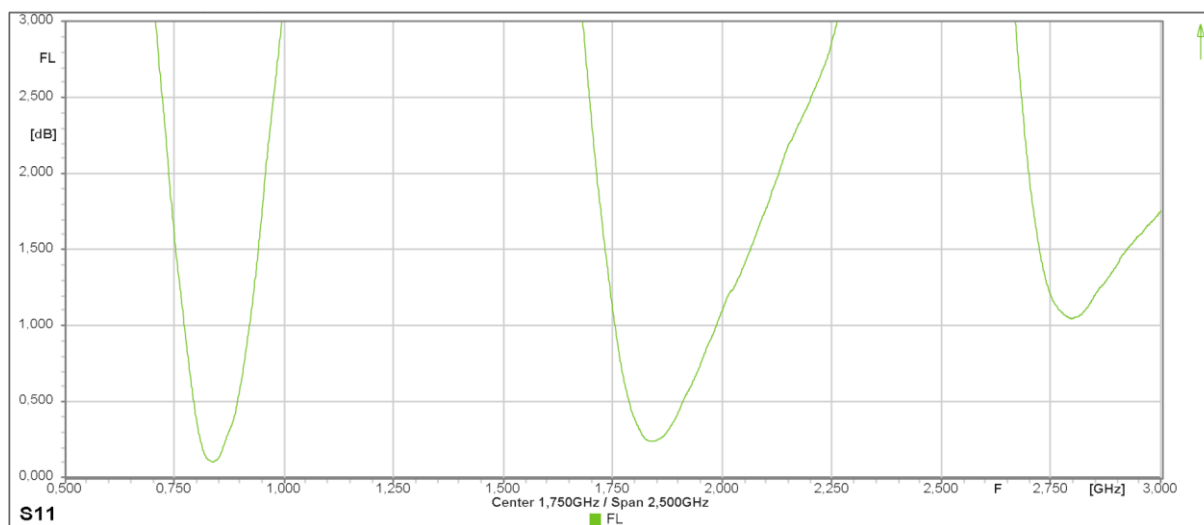
Return Loss



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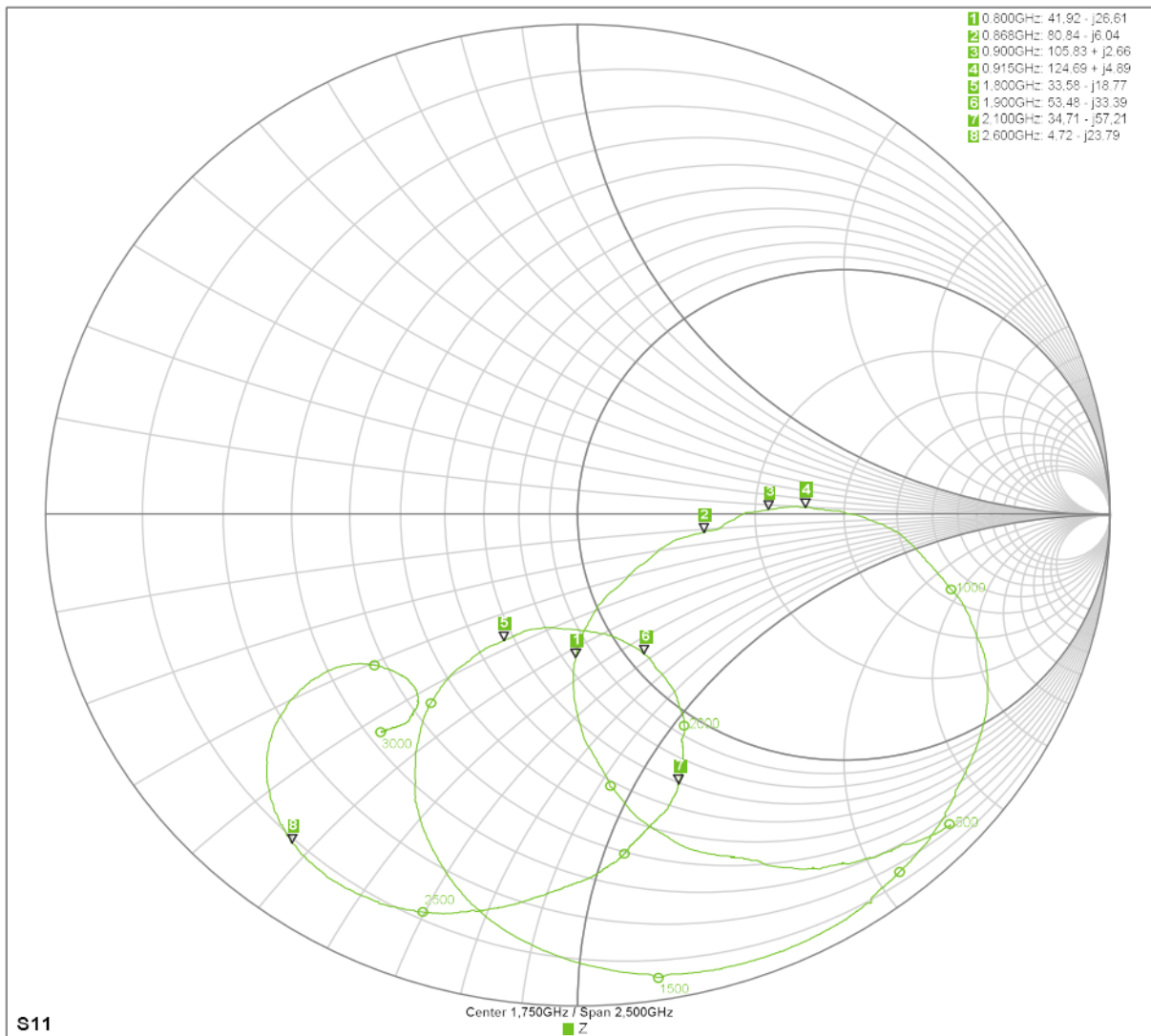
Forward Loss



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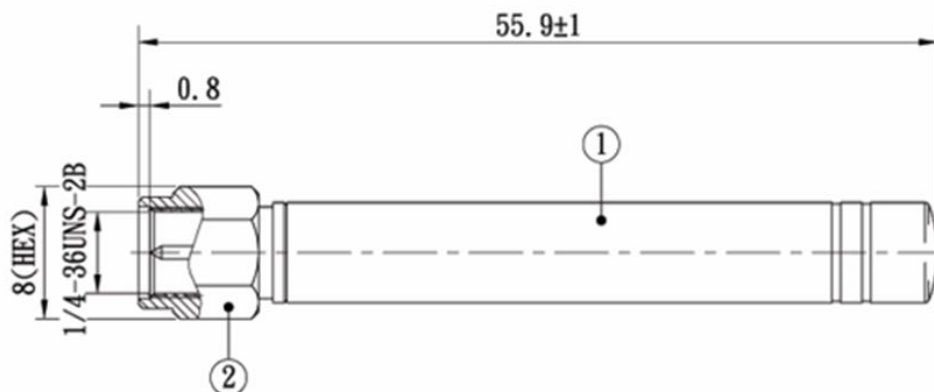
Impedance



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Dimensions



Connector



SMA Male



SMA Female



RP-SMA Male



RP-SMA Female

The ERF4009 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

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