

Antenna, Strip

ERF4111

Description

The ERF4111 antenna is a black LTE antenna with a 3M adhesive tape and a SMA Male connectors. The antenna can be used for applications such as, M2M, LTE, UMTS, GPRS, NB-IoT and CAT-M.

Technology

- LTE-M / CAT-M
- WiFi
- Bluetooth
- LoRa
- ISM
- UMTS
- GPRS
- NB-IoT
- 5G/4G/3G/2G



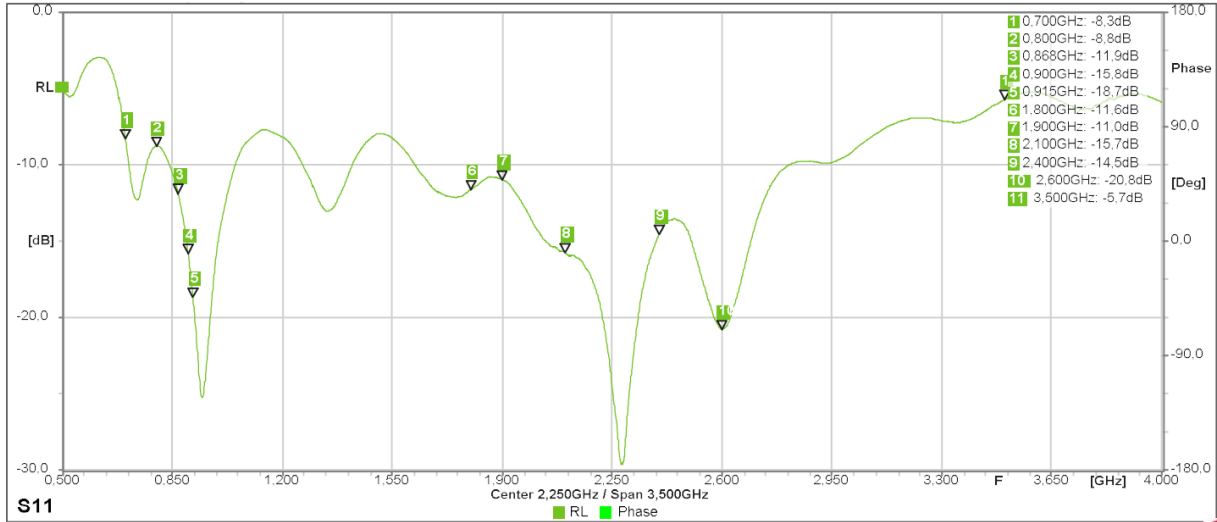
Mechanical Properties	Description
Antenna	External Antenna
Mounting	Adhesive tape
Connector	SMA Male
Dimensions	115.6 x 21.7 x 5.8 mm \pm 0.5
Color	Black
Cable Length	20cm \pm 0.2
Cable Type	RG174
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

Features

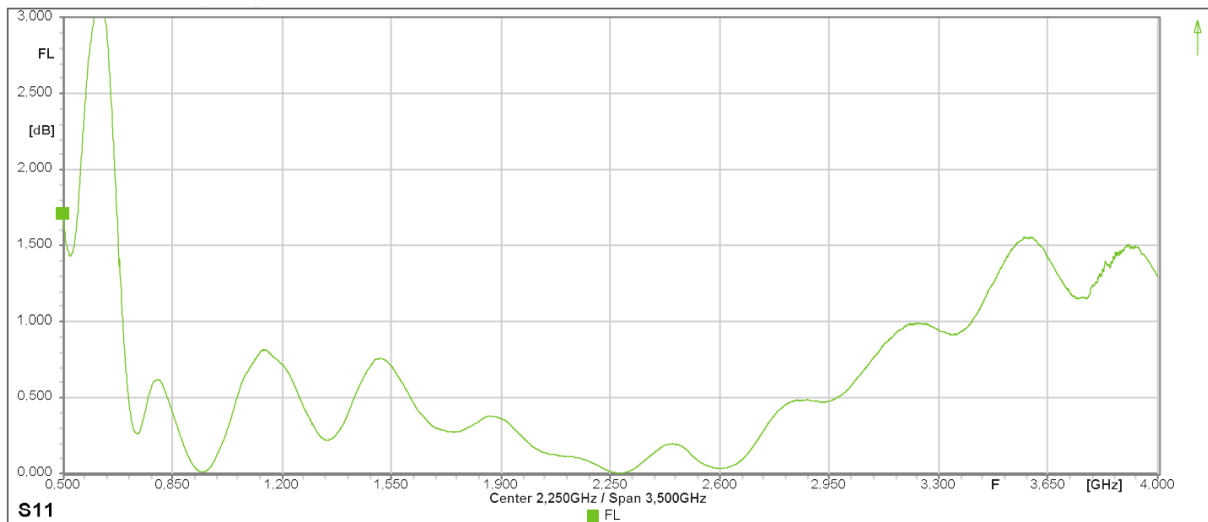
Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	700	-8.3	<2.2
2	800	-8.8	<2.1
3	868	-11.9	<1.7
4	900	-15.8	<1.4
5	915	-18.7	<1.3
6	1.800	-11.6	<1.7
7	1.900	-11.0	<1.8
8	2.100	-15.7	<1.4
9	2.400	-14.5	<1.5
10	2.600	-20.8	<1.2
11	3.500	-5.7	<3.2
Nominal Impedance	50 Ω		
Polarization	Linear		
Gain	2.0 dBi		

Antenna Properties

Return Loss



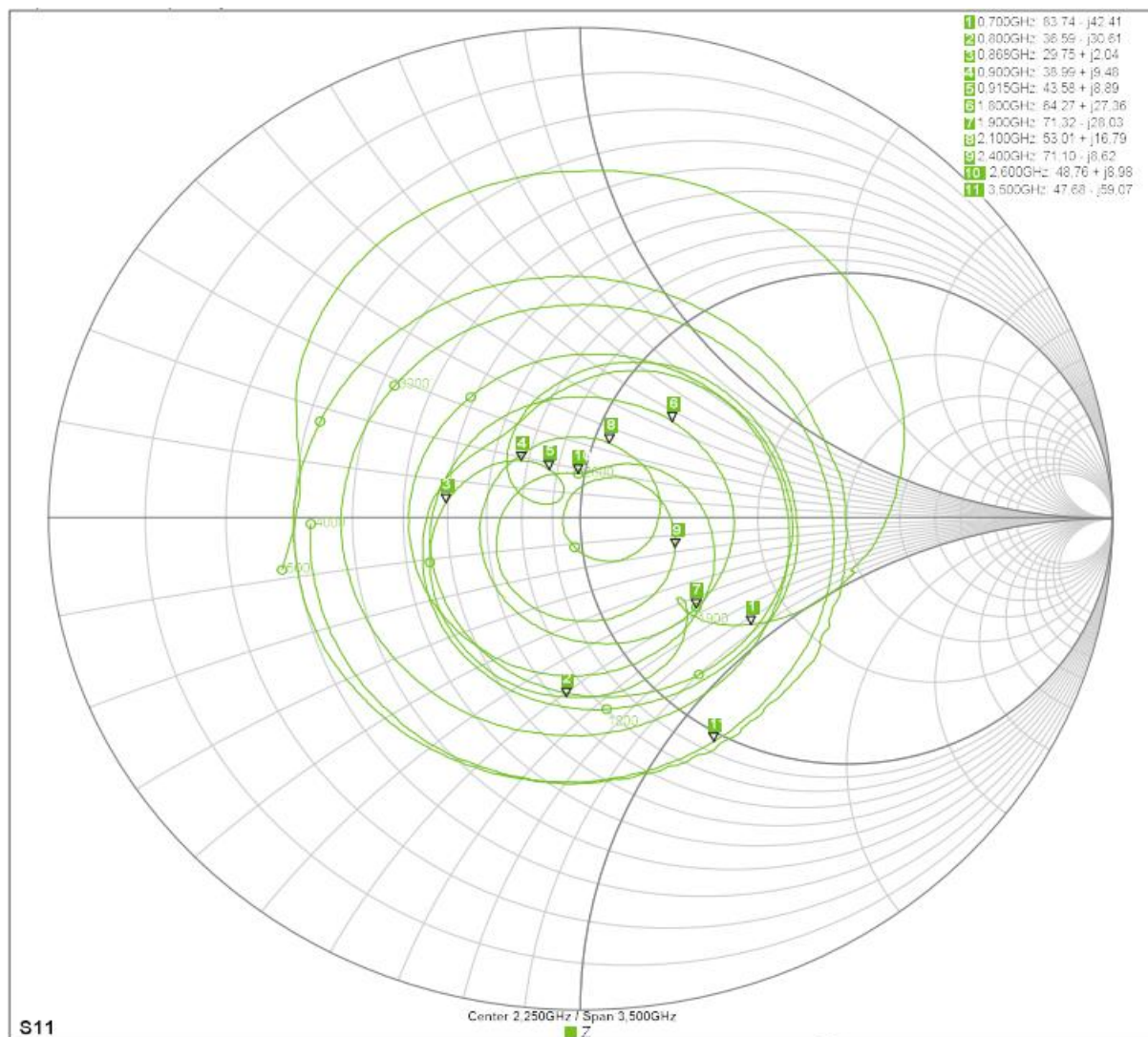
Forward loss



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Impedance

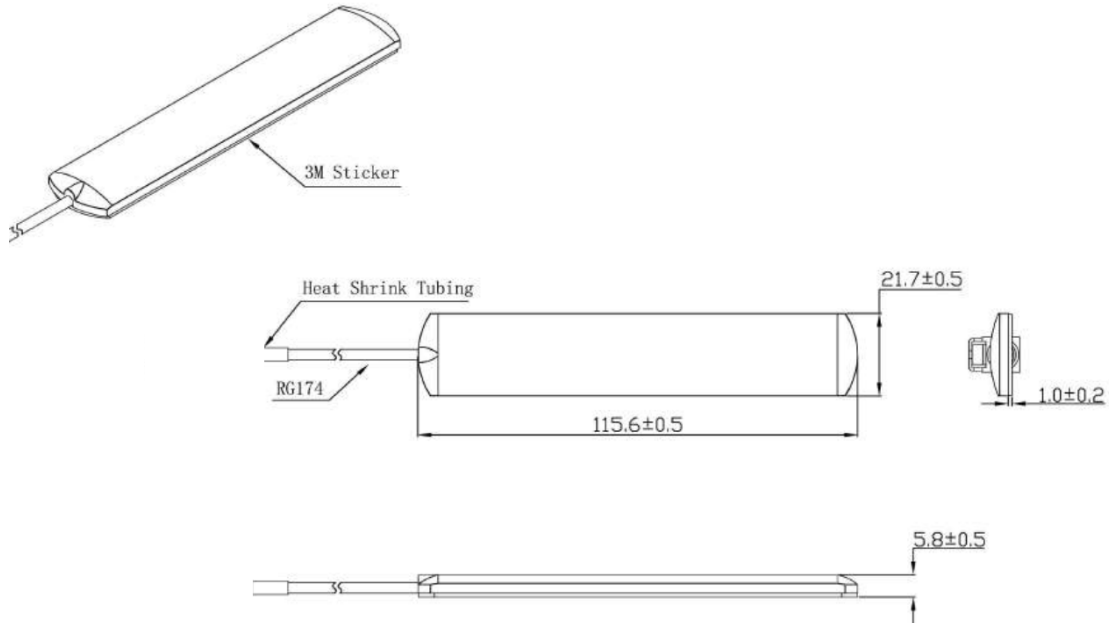


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Dimensions

*Unit: mm



Connectors



The ERF4111 antenna uses a 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