

Antenna, PCB

ERF4025

Description

The ERF4025 antenna is an internal UMTS antenna with a U.FL connector. The antenna can be used for applications such as, M2M, LoRa, Zigbee, GSM/GPRS, NB-IoT, CAT-M and more.

Networks / Communication Protocol

- NB-IoT
- LTE-M
- CAT-M
- GSM/GPRS
- WiFi
- UWB
- LoRa



Features

Electrical Properties

Description

Frequency Band:	Frequency MHz	Return loss dB	V.S.W.R.
1	800	-7.4	< 2.5
2	868	-6.6	< 2.8
3	900	-7.1	< 2.6
4	915	-7.4	< 2.5
5	1.800	-17.8	< 1.3
6	1.900	-12.3	< 1.6
7	2.100	-16.1	< 1.4
8	2.400	-5.4	< 3.3
9	2.600	-3.1	< 5.7
10	5.000	-5.5	< 5.7
11	5.800	-15.2	< 1.4

Antenna, PCB

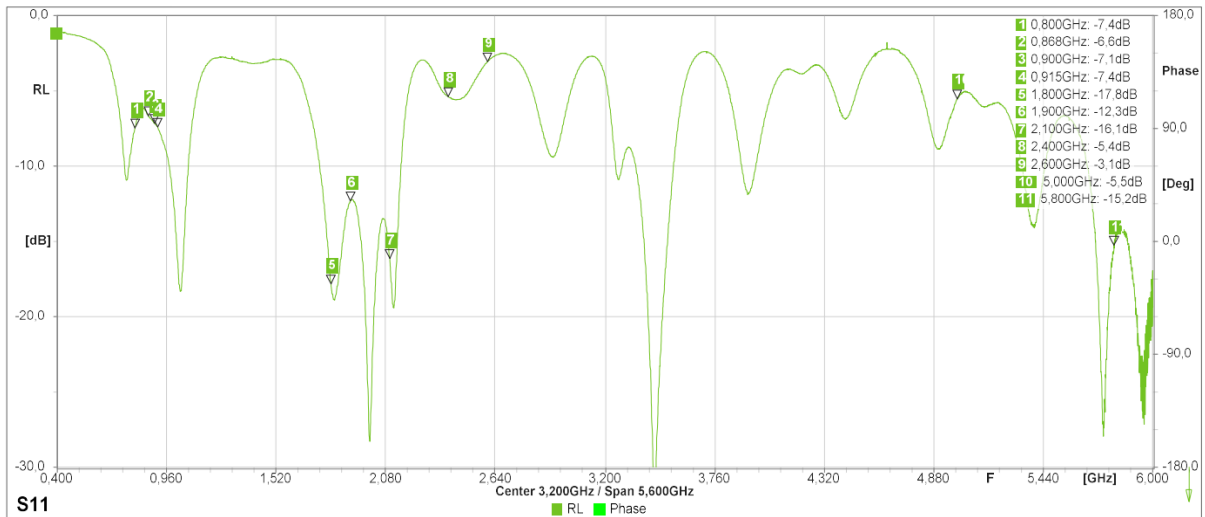
ERF4025

Nominal Impedance:	50 Ω
Polarization:	Vertical
Gain:	??

Mechanical Properties	Description
Antenna Type:	Internal PCB Antenna
Connector Type:	U.FL
PCB Dimensions:	45*10*0.2 mm ± 0.1
Cable type:	RF1.13
Cable Length:	200 mm
Operating Temperature	-20°C~+60°C
Storage Temperature	-30°C~+70°C

Antenna Properties

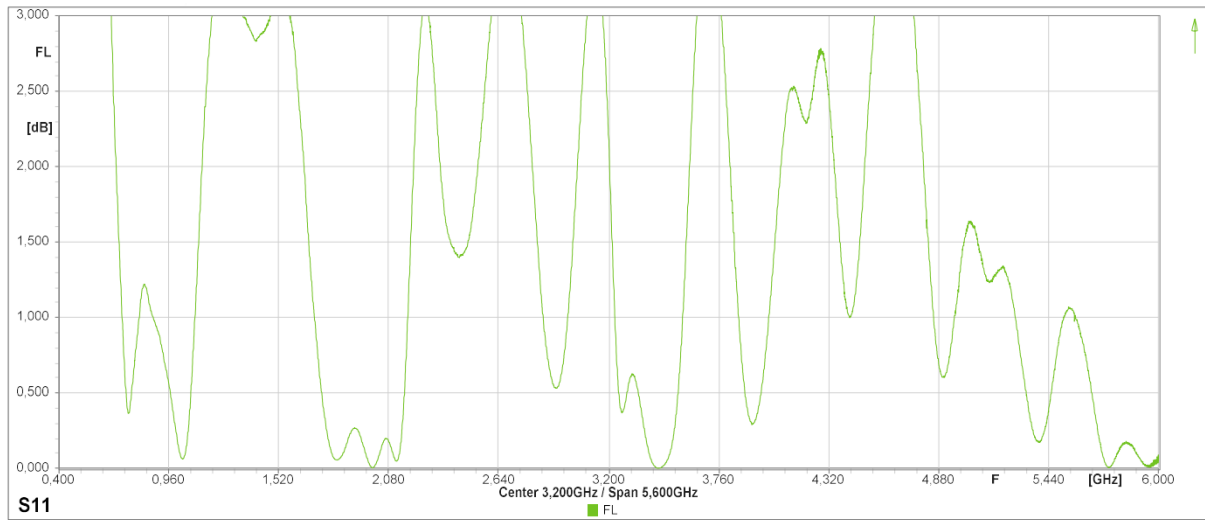
Return Loss



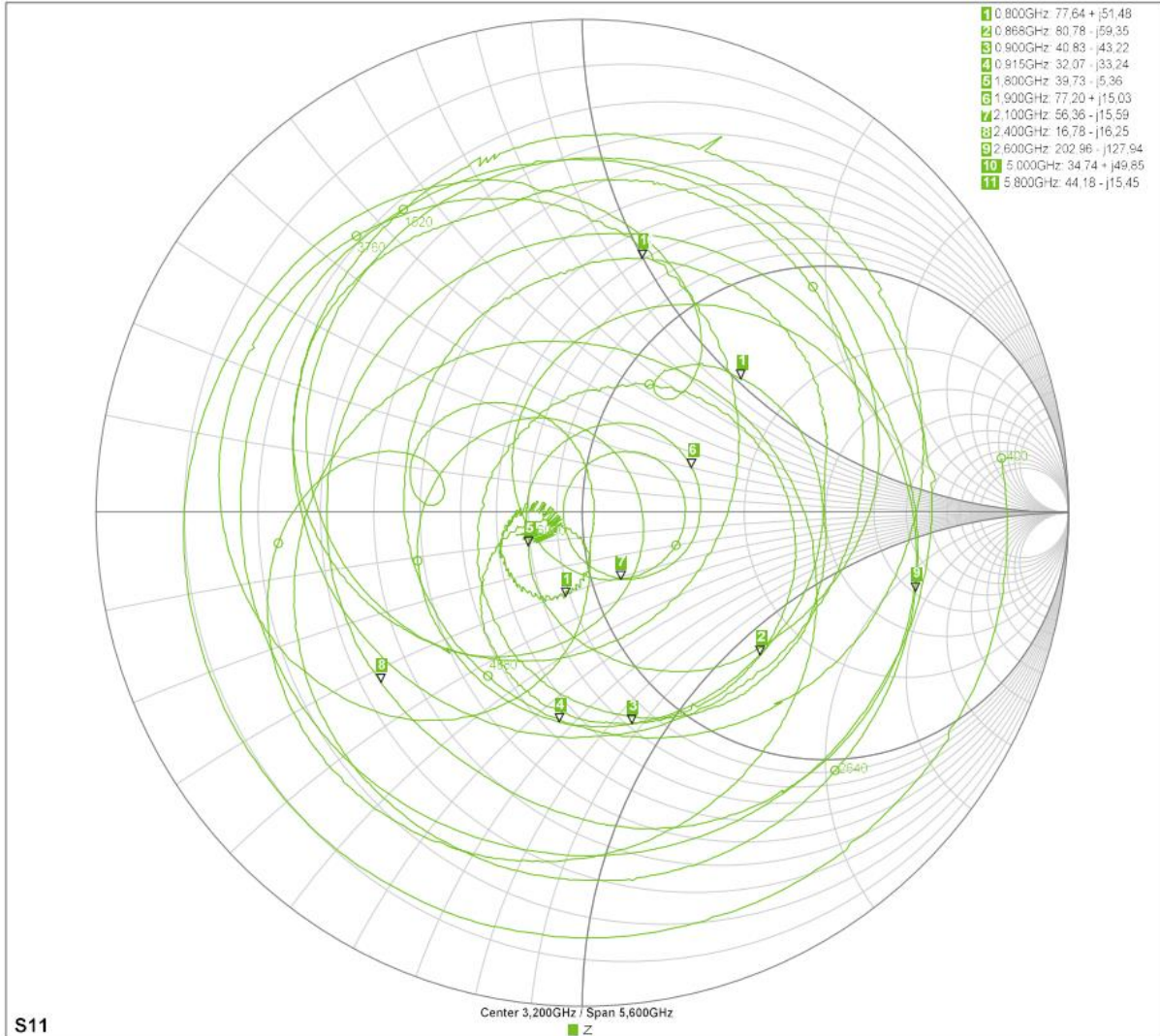
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Forward Loss



Impedance

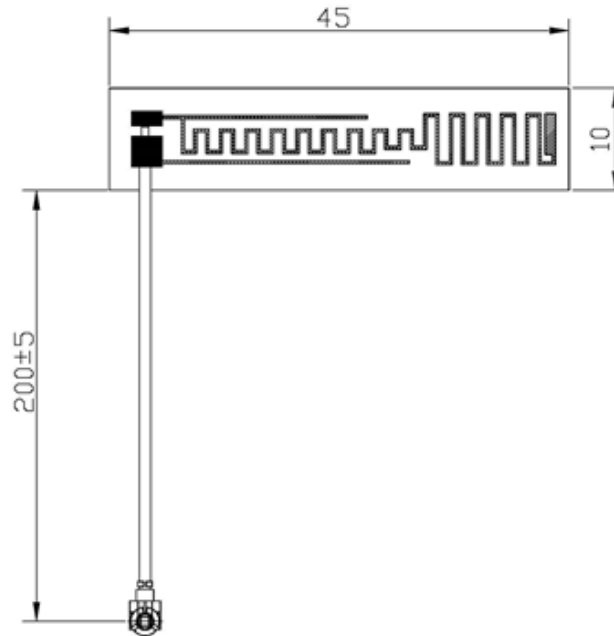


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Dimensions

*unit: mm



Connector

The ERF4025 uses a U.FL 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