

ERF4013, Quad Band antenna, SMA Male connector

### Features

Electrical Properties Parameter:	Description
Frequency Band:	824 ~ 1150 MHz / 1,6 ~ 4,0 GHz
Nominal Impedance:	50 Ω
Polarization:	Horizontal
V.S.W.R:	< 2.0



### Mechanical Properties

Parameter:	Description
Antenna Type:	External Antenna
Mounting Method:	Adhesive
Connector Type:	SMA (Male)
Antenna Dimensions:	103.4 mm ±5
Antenna Color:	Black
Cable Length:	1500 mm ±20
Cable Type:	RG-174 A/U
Operating Temperature Range:	-20°C~+60°C
Storage Temperature Range:	-30°C~+70°C

### Typical applications

- M2M
- Wifi
- Bluetooth
- Zigbee
- LTE
- GSM

### Description

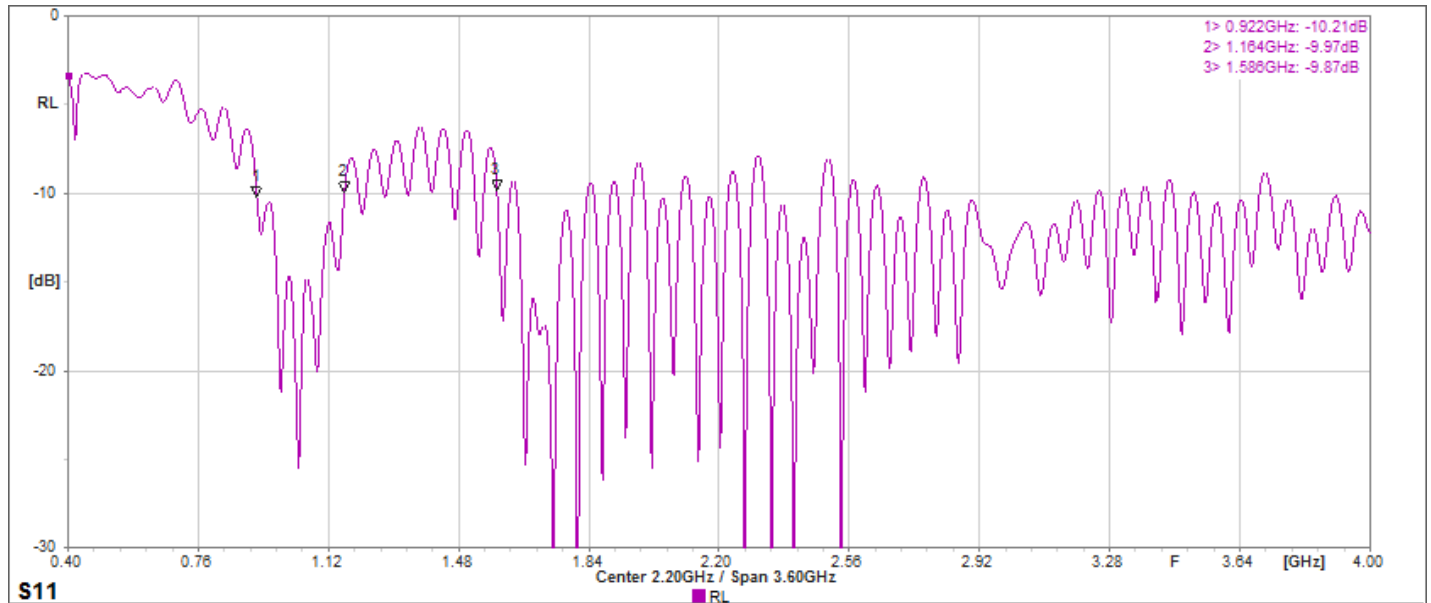
The ERF4013 antenna is a black quad band antenna with a SMA Male connector. The antenna can also be used in these frequency bands: 824 ~ 1150 MHz and 1,6 ~ 4,0 GHz.

The antenna can be used for applications , M2M , Wifi, Bluetooth, LTE, GSM and more.

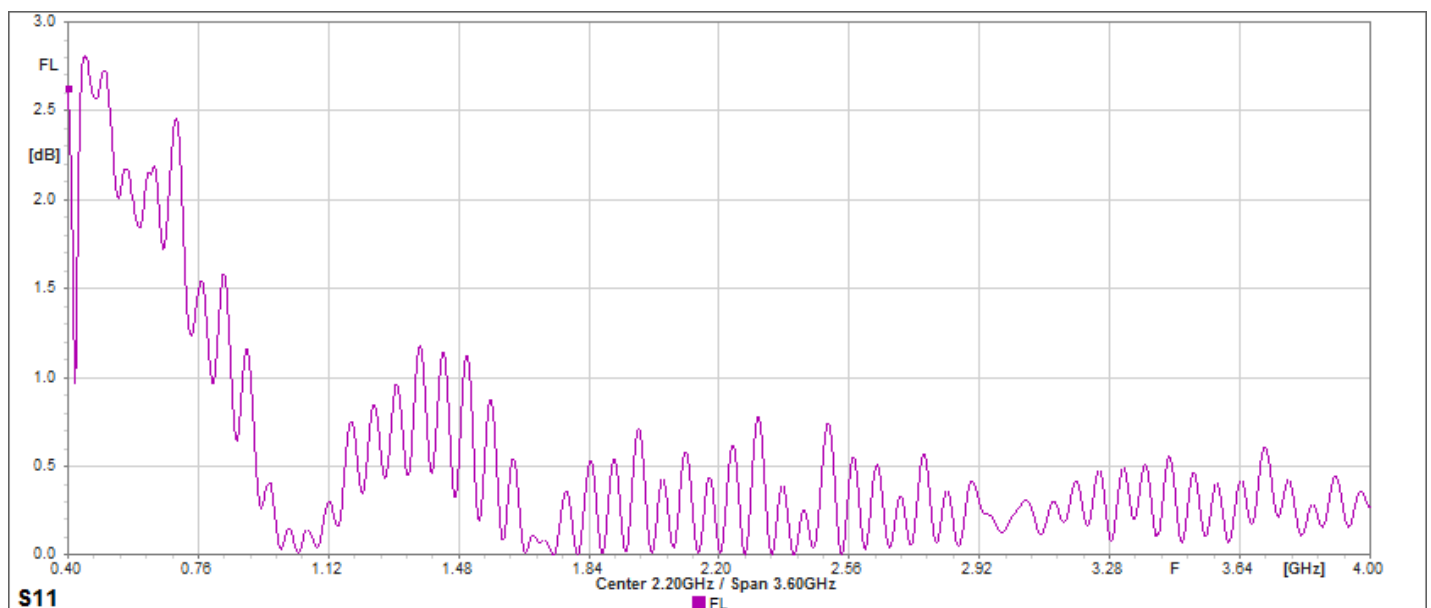
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**Antenna Properties**

**Return Loss**

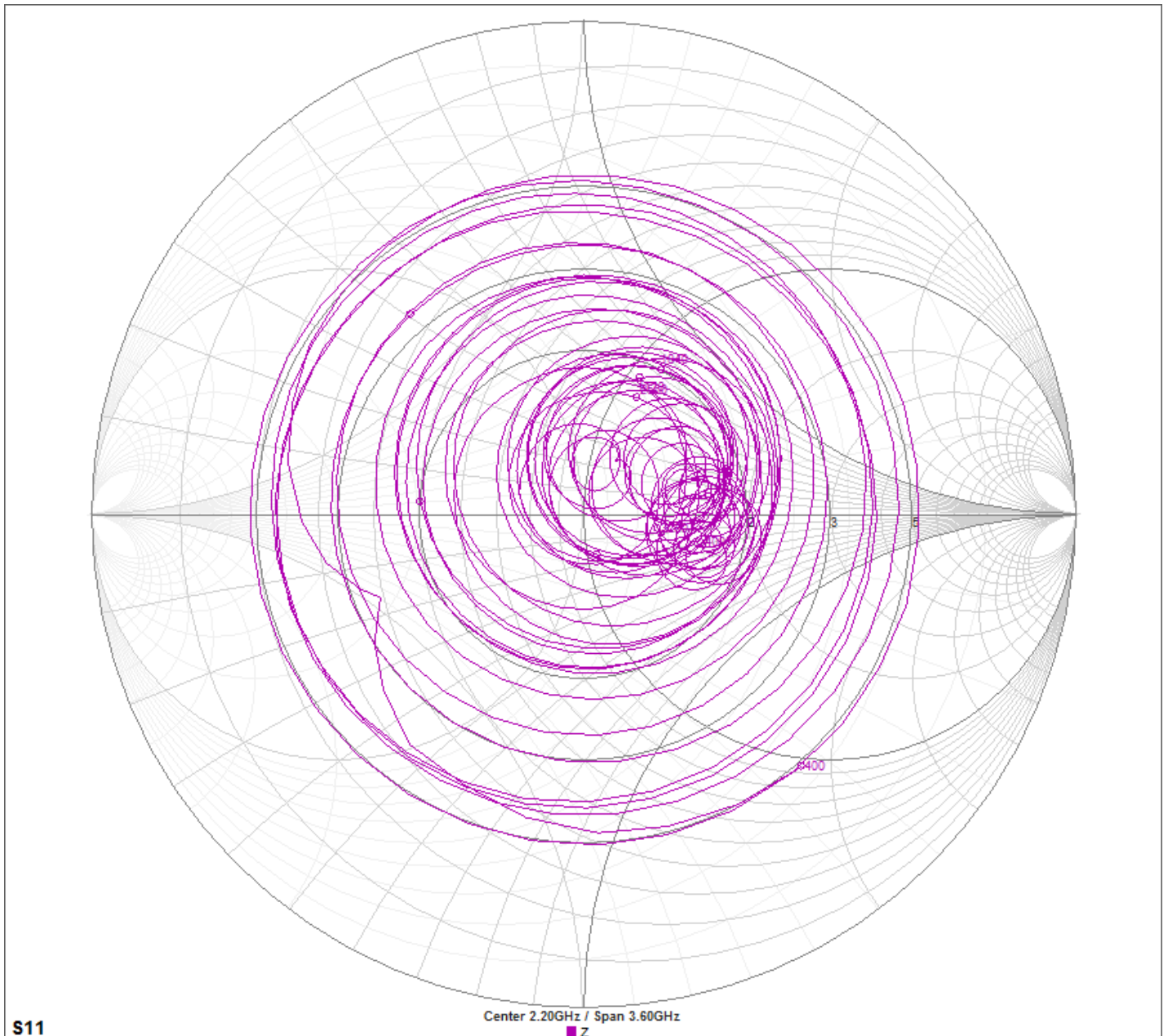


**Forward Loss**




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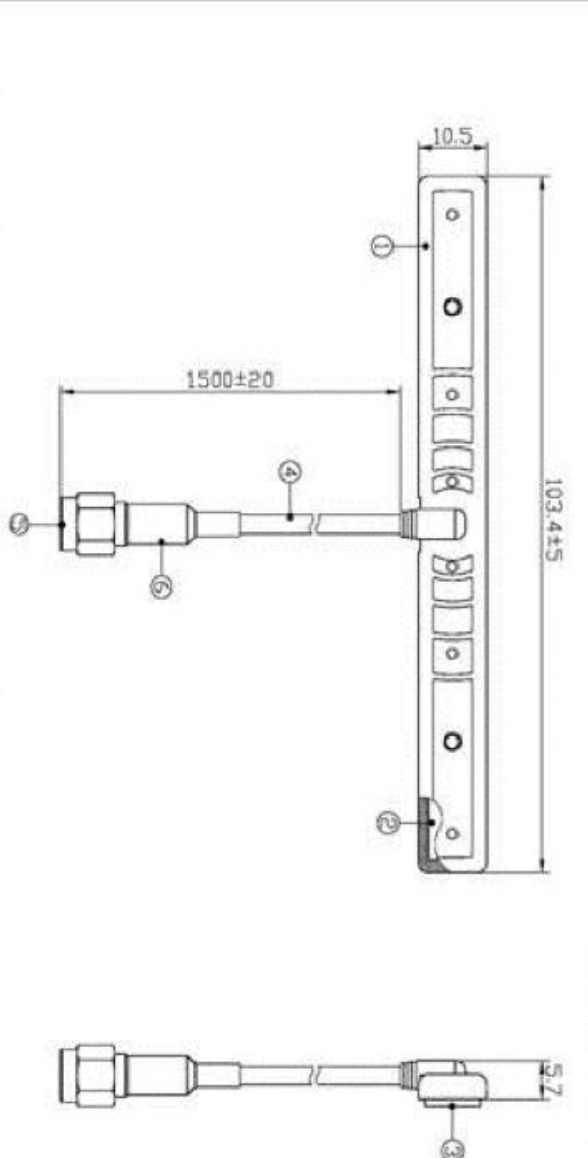
Impedance



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Dimensions

	<b>CUSTOMER'S</b>	<b>MODEL</b>	<b>PARTS NUMBER</b>	<b>FREQUENCY</b>	<b>UNIT</b>	<b>SCALE</b>	<b>DATE</b>	<b>VERSION</b>
<b>TOLERANCE</b>		X, Y, Z ±0.15		824-980 2.2GHz 1710-1980 3GHz	K/M			1
<b>SURFACE FINISHNESS</b>		√	<b>APPEARANCE</b>		<b>APPROVED</b>	<b>CHECKED</b>	<b>DRAWING</b>	<b>DISTINGUISHED</b>
			<b>ERF4013</b>					

NO	圖名	外觀	用量
01	Body	Black	01
02	PCB		01
03	Twin adhesive	Gray	01
04	RG-174A/U Cable	Black	01
05	SMA 180° (Male)	Nickel plating	01
06	Heat-shrink tube	Black	01

## ERF4013, Quad Band antenna, SMA Male connector

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### Different type of SMA connectors



**SMA Male**



**SMA Female**



**RP-SMA Male**



**RP-SMA Female**

The ERF4013 antenna uses the SMA Male connector.

### About easyRF

easyRF is supplier and manufacturer of wireless communication solutions with an easy-to-use approach, targeting different applications and markets. The products are standard off-the-shelf products, but customization of the products is possible.

easyRF is successful in the a wide range of markets, such as: industrial, agriculture, security, building automation.

### Ordering information

Please check [www.easyrf.eu](http://www.easyrf.eu) for distributors in your area or contact us at [info@easyrf.eu](mailto:info@easyrf.eu) for more information. Other frequencies are available on request.

### Technical support

For all product questions please contact us via [info@easyrf.eu](mailto:info@easyrf.eu)