

ERF4052, 2.4 GHz antenna, U.FL connector

## Features

### Electrical Properties

Parameter:	Description
Frequency Band:	2000 ~ 2280 MHz / 2400 ~ 2560 MHz / 3244 ~ 4000 MHz
Nominal Impedance:	50 Ω
Polarization:	Linear
V.S.W.R:	< 2.0
Gain:	2~3 dBi



### Mechanical Properties

Parameter:	Description
Antenna Type:	Internal Antenna
Connector Type:	U.FL
Cable Length:	10 cm ± 0.5
Antenna Dimensions:	16.5 * 66.5 * 0.8 mm
Operating Temperature Range:	-40°C~+85°C
Storage Temperature Range:	-40°C~+85°C

### Typical applications

- Wifi
- M2M applications
- Bluetooth
- Zigbee

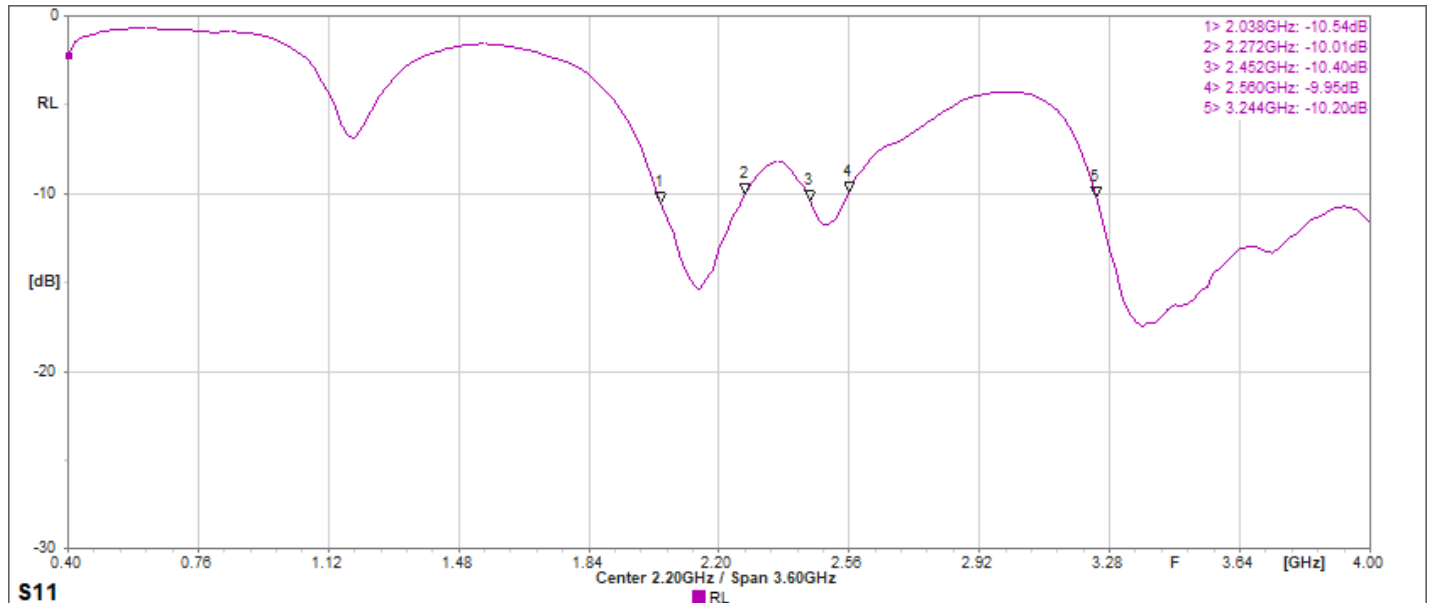
## Description

The ERF4052 antenna is internal 2.4 GHz antenna with an U.FL connector. The antenna can also be used in the frequency range of 2400 ~ 2480 MHz. The antenna can be used for applications , such as M2M, Wifi, Bluetooth and Zigbee.

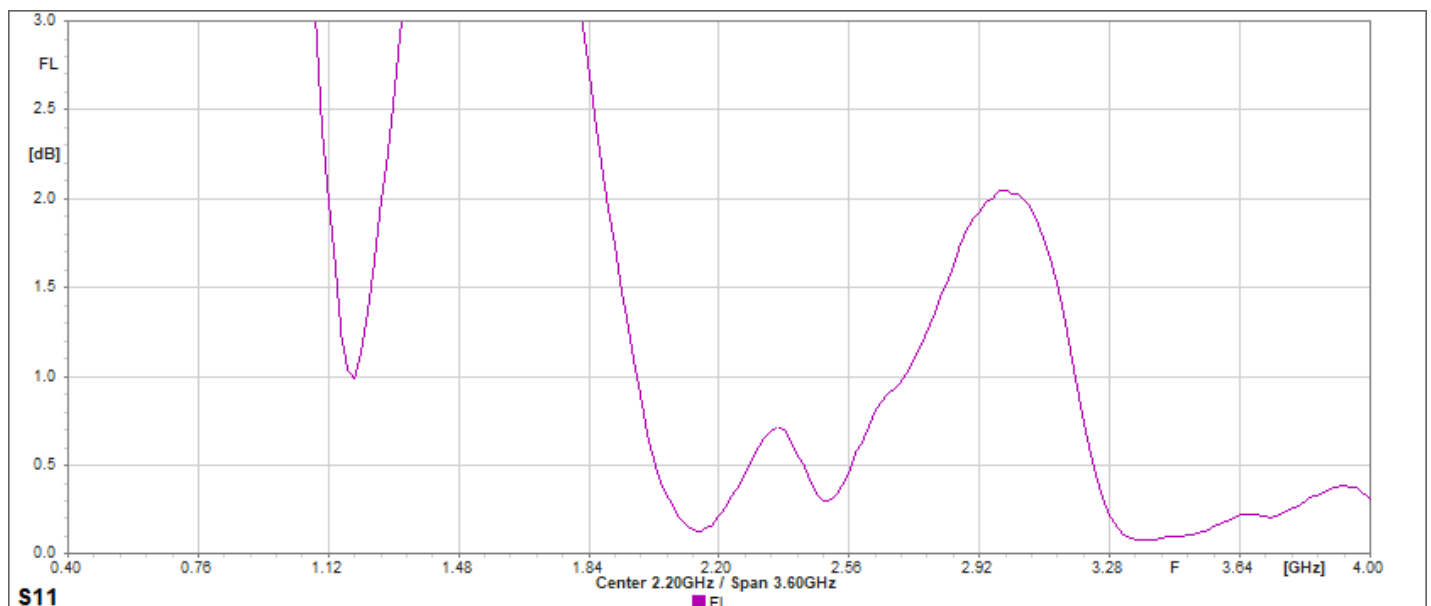
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**Antenna Properties**

**Return Loss**

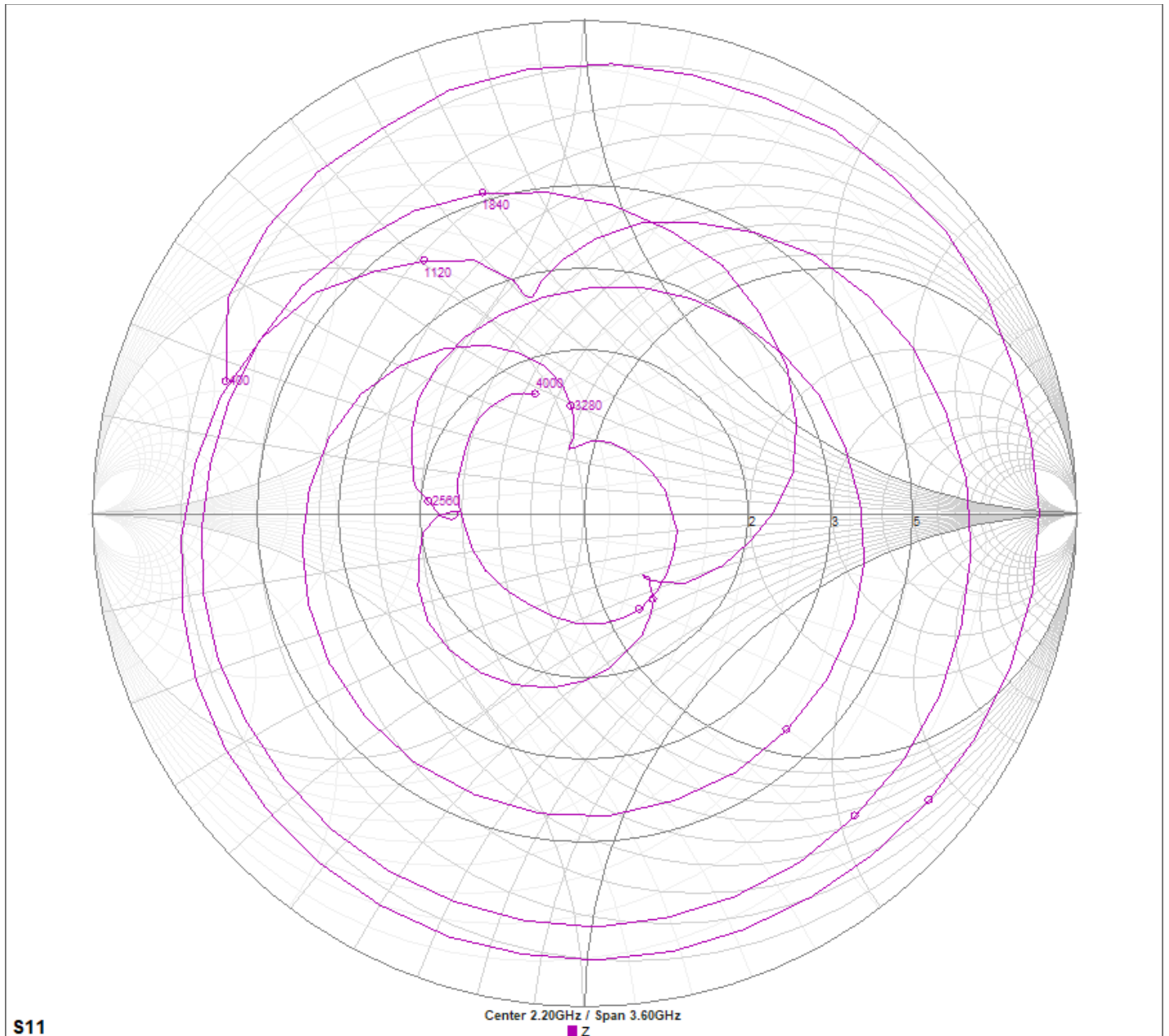


**Forward Loss**



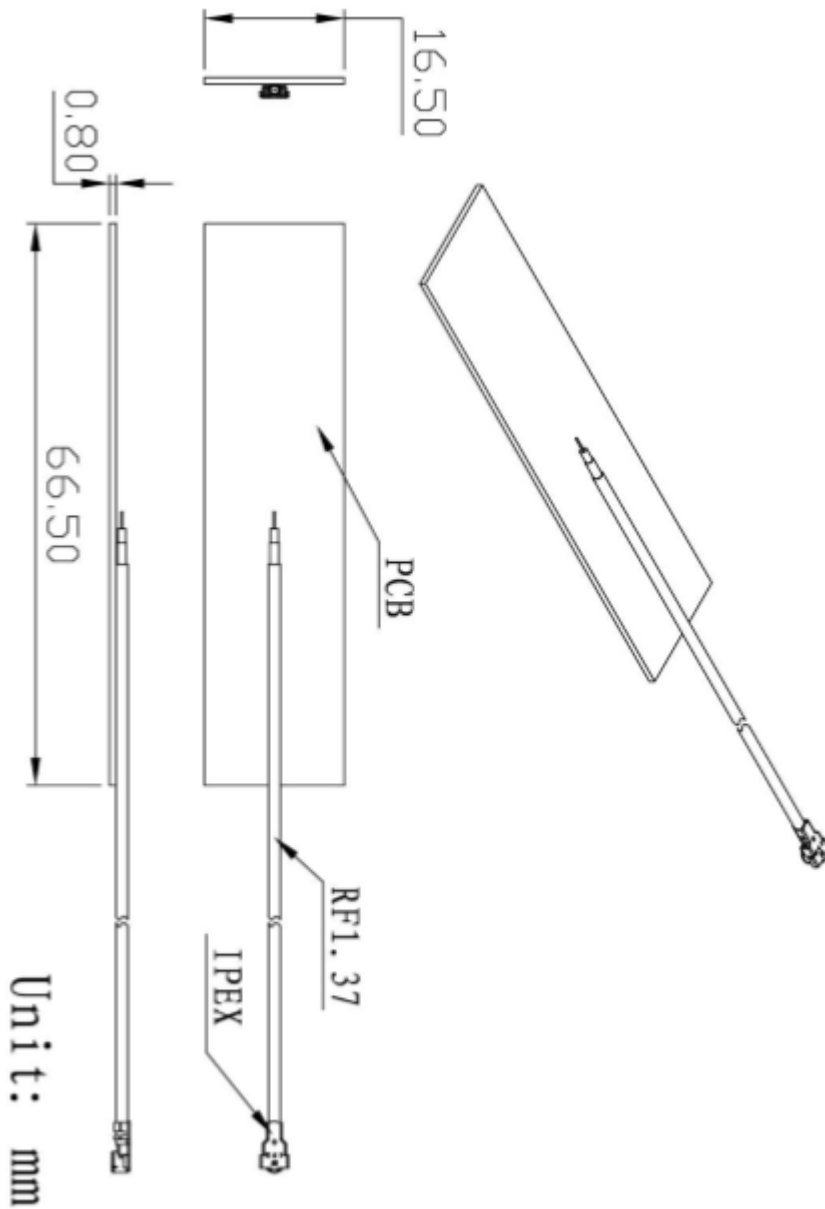
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Impedance



## ERF4052, 2.4 GHz antenna, U.FL connector

### Dimensions



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### Connector

The ERF4052 antenna uses an U.FL 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)