

# Antenna, Ceramic

## ERF4095

### Description

The ERF4095 antenna is an active internal GNSS antenna with a U.FL connector. The antenna can be used for applications such as, GNSS, GPS, GLONASS and BEIDOU.



### Technology

- GPS
- GLONASSBEIDOU
- GNSS



### Features

Electrical Properties	Description		
Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.
1	1.200	-16.4	< 1.4
2	1.575	-24.2	< 1.1
Nominal Impedance	50 $\Omega$		
Polarization	RHCP		
Gain	5 dBi (Zenith @ Antenna)		
	28 $\pm$ 2 dB (@ LNA)		
Noise Figure	< 1.5 dB		
Filter Insertion Loss	< 3dB		
Supply Voltage:	2.2 ~ 5V DC		
Current Consumption:	5 ~ 15mA		

Mechanical Properties	Description
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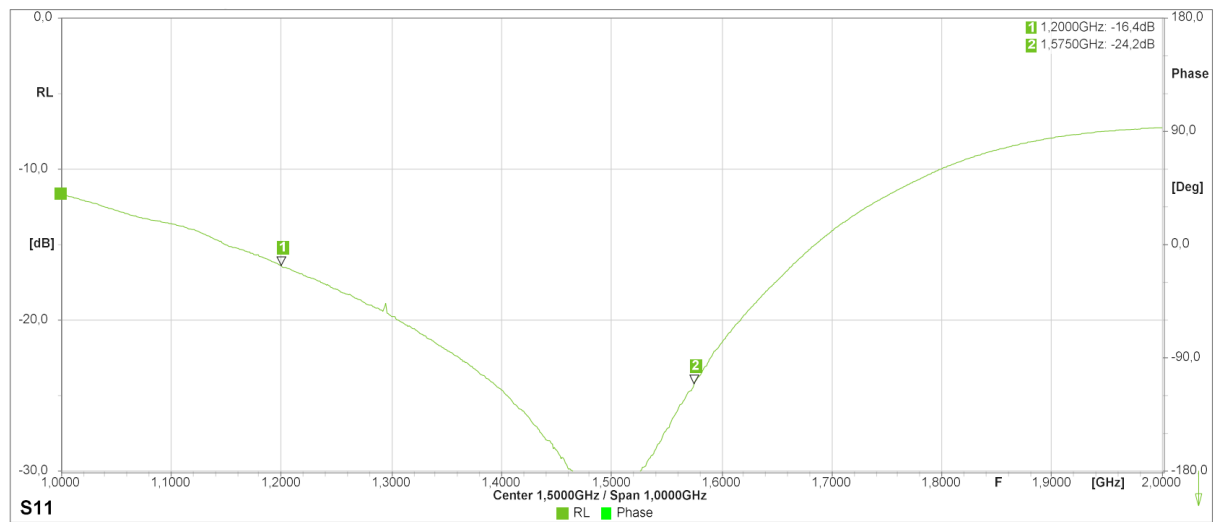
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<b>Antenna</b>	Active internal Antenna
<b>Connector</b>	U.FL
<b>Dimensions</b>	25 x 25 x 4 mm ± 0.2
<b>Cable type</b>	RF1.13
<b>Cable Length</b>	10 cm
<b>Operating Temperature</b>	-40°C~+85°C
<b>Storage Temperature</b>	-40°C~+85°C

### Antenna Properties

#### Return Loss

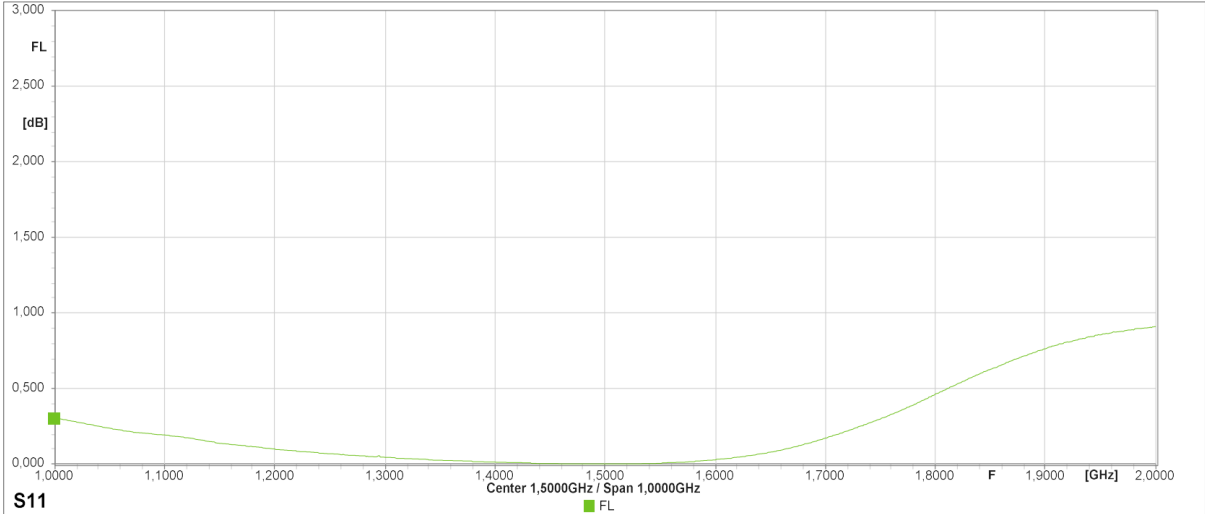


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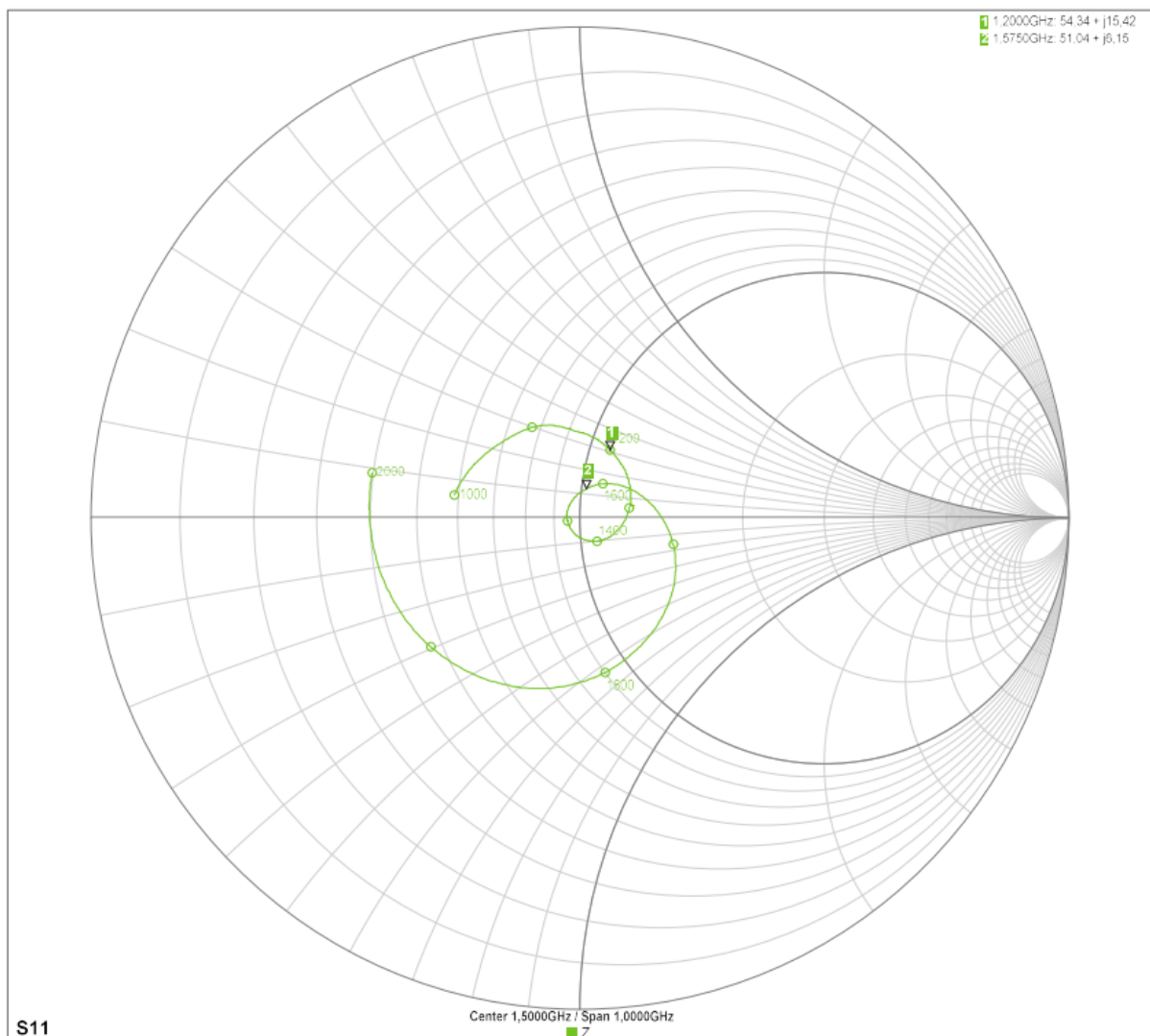
### Forward Loss



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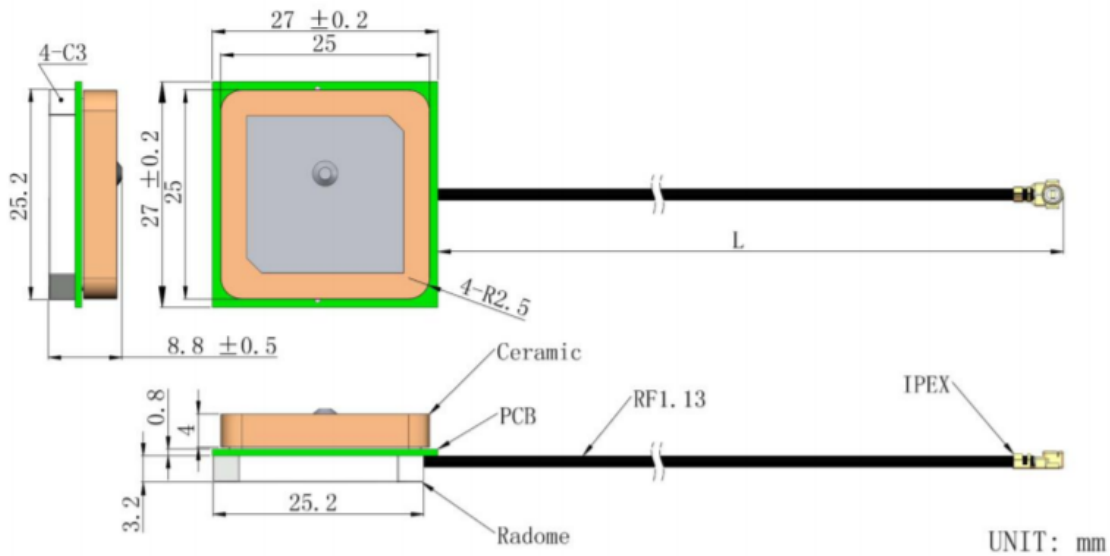
Impedance



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### Dimensions



### Connector

The ERF4095 uses a U.FL connector.

### Ordering information

Ordering can be done via [www.summit-electronics.com](http://www.summit-electronics.com) or via [info@summit-electronics.com](mailto: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](mailto:info@summit-electronics.com)

### Document revision

Rev	Date	Changes
V01.00	06-04-2023	First issue of document