

ERF4099, LTE & GPS antenna, 2x SMA Male connector

Features

Electrical Properties

GPS Antenna	Parameter:	Description
Dielectric Antenna	Frequency Range:	1575.42 ± 3MHz
	Polarization:	RHCP
	Gain:	2 dBic (Zenith)
	V.S.W.R:	< 1.5
	Nominal Impedance:	50Ω
LNA	Gain:	28 ± 2 dB
	Noise Figure:	< 1.5 dB
	V.S.W.R:	< 2.0
	Supply Voltage:	2.2 ~ 5V DC
	Current Consumption:	< 15mA



LTE Antenna	Parameter:	Description
	Frequency Range:	698 ~ 960MHz / 1710 ~ 2690MHz
	V.S.W.R:	< 2.5
	Polarization:	Linear
	Gain:	2 dBi
	Nominal Impedance:	50 Ω

Mechanical Properties

Parameter:	Description
Antenna Type:	External Antenna
Mounting Method:	Adhesive/Magnet
Connector Type:	2x SMA (Male)
Antenna Color:	Black
Operating Temperature Range:	-40°C~+85°C
Storage Temperature Range:	-40°C~+85°C

Typical applications

- M2M applications
- LTE
- UMTS
- GPRS
- NB-IoT
- CAT-M
- GNSS

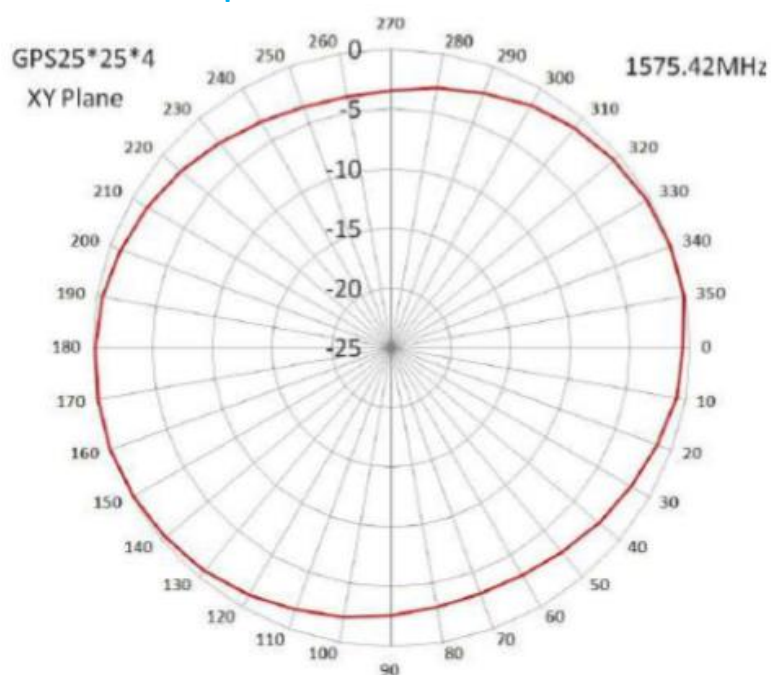
Description

The ERF4099 antenna is a black LTE and GPS “puck” antenna with a M12 mounting and 2 SMA Male connectors. The adhesive/Magnet mounting allows for easy integration, in an enclosure etc.. The antenna can be used for applications such as, M2M, LTE, UMTS, GPRS, NB-IoT, CAT-M, and GNSS.

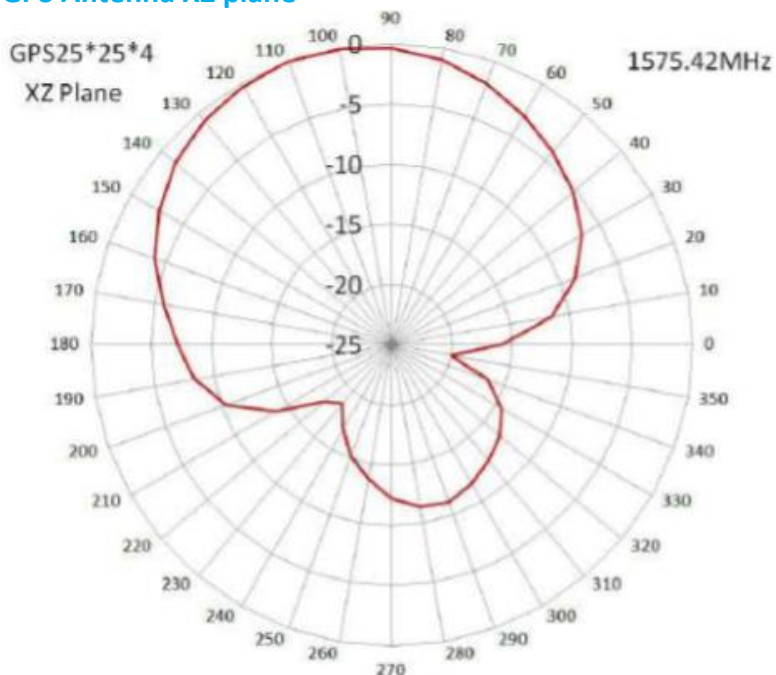
ERF4099, LTE & GPS antenna, 2x SMA Male connector

Antenna Properties

GPS Antenna XY plane

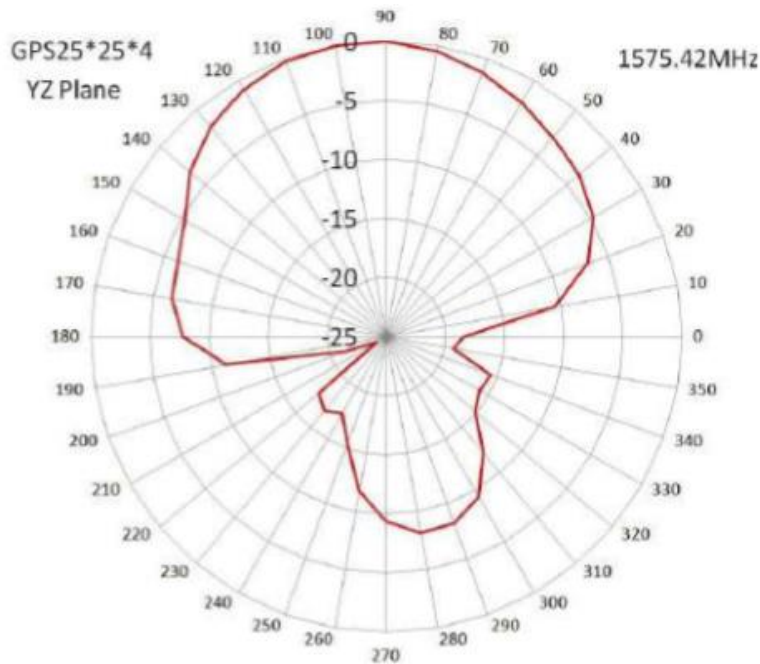


GPS Antenna XZ plane



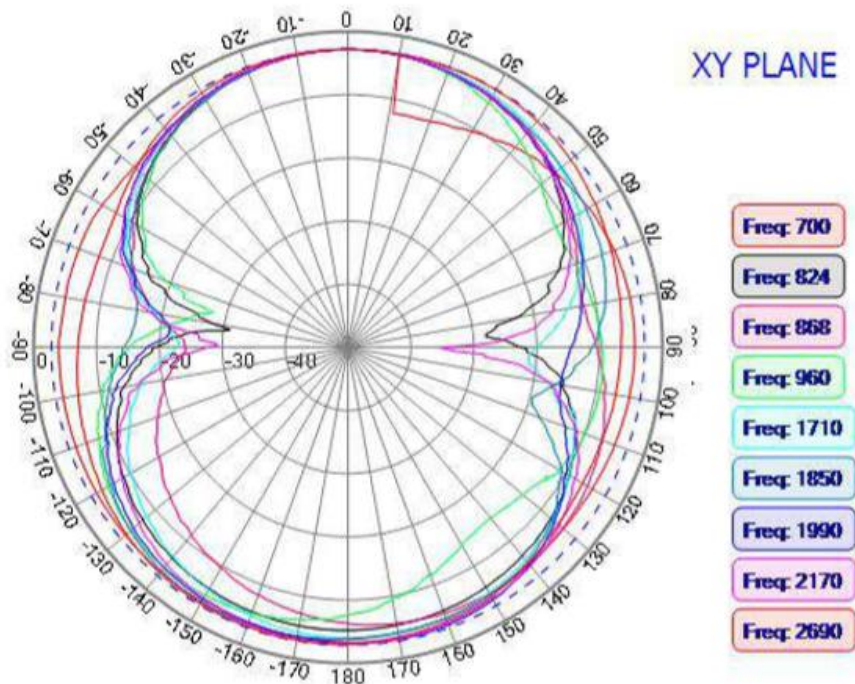
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GPS Antenna YZ plane



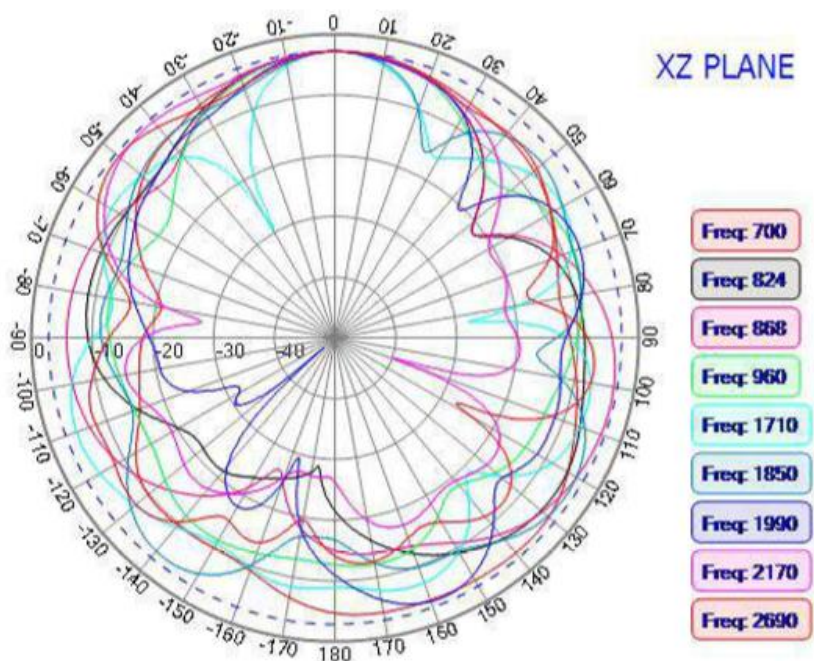
LTE antenna XY plane

LTE Antenna

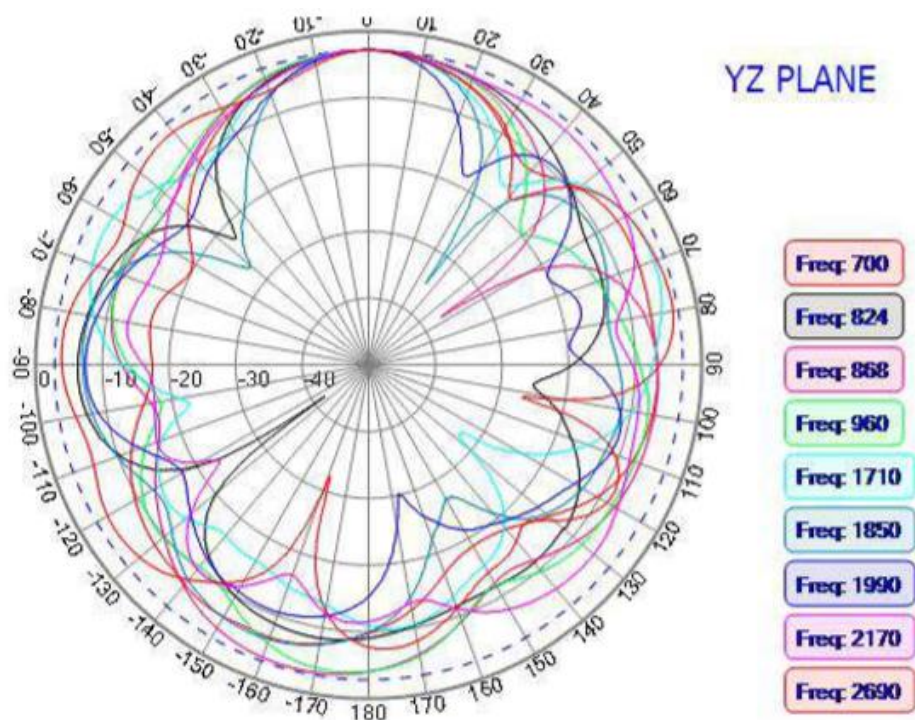


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LTE antenna XZ plane

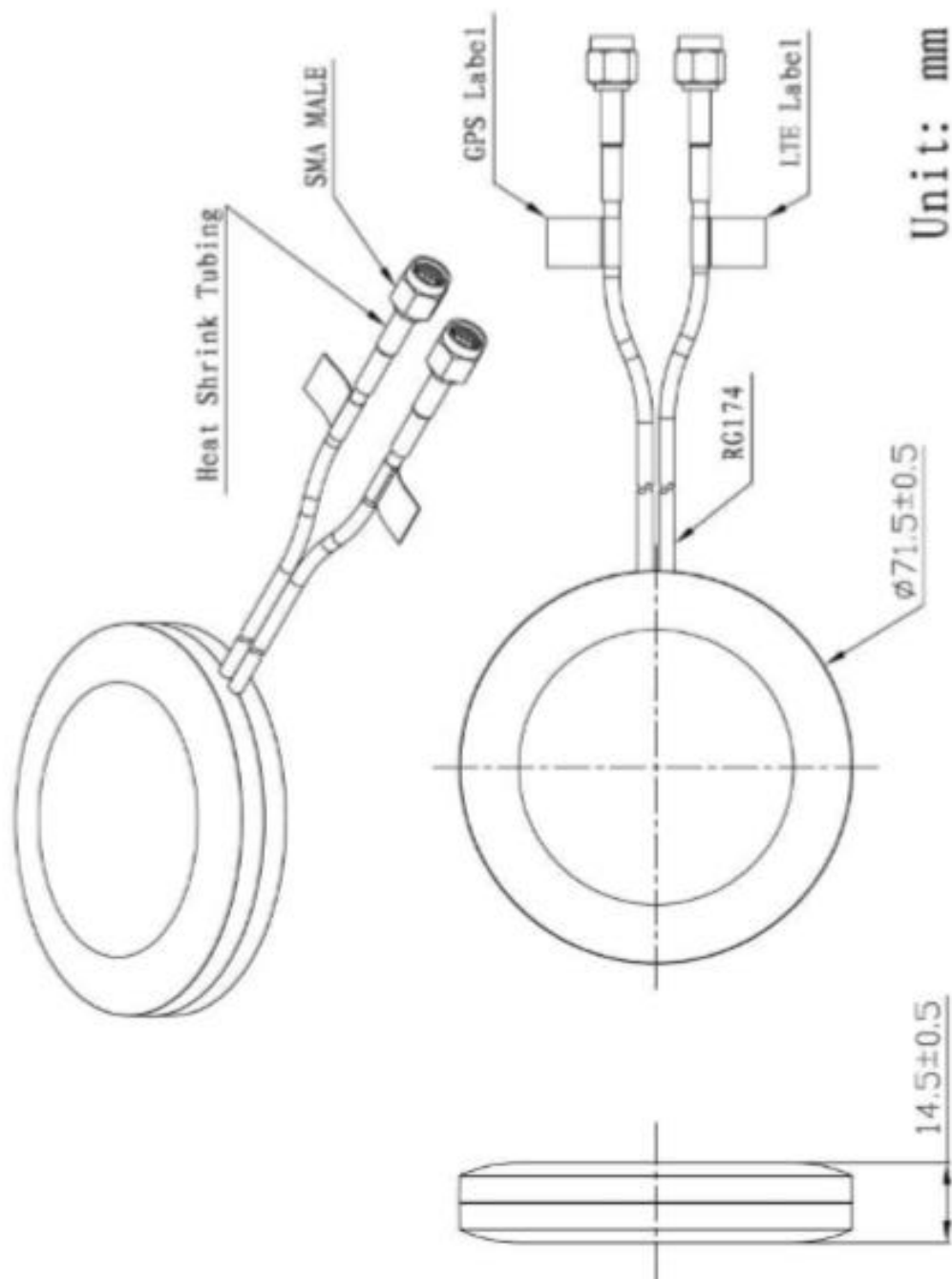


LTE antenna YZ plane



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Dimensions



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Different type of SMA connectors

The ERF4099 antenna uses 2x 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