

Sigfox 915-Antenna



Part Number: M-1RB1D

208 x Ø14 mm
RoHS/RoHS II Compliant

Product Features

- Support 900~930Mhz
- Small and exquisite
- High Reliability/Sensitivity
- Compact Size, Easy to install
- RoHS Compliant

Applications

- Sigfox radios
- Gateways
- Set-Top Boxes
- Security
- Transportation
- Smart agriculture

1 Product Specifications

Passive Electrical Specifications

Frequency Range	Sigfox (900 MHz ~930 MHz)
Input Impedence	50 Ω
VSWR	≤ 2.0
Gain	1 DBi
Efficiency	30%
Polarization Type	Vertical

Mechanical Specifications

Antenna Size	208 x Ø14 mm
Material of Radome	PC+ABS
Cable	RG178
Connector Type	SMA-RP
Working Temperature	-20°C to +80°C
Radome Color	Black

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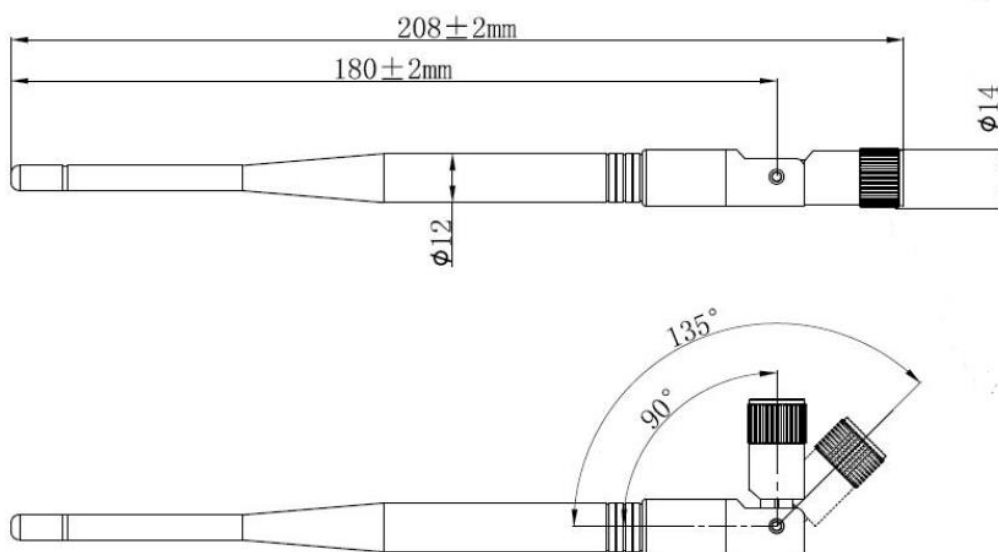


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2 Product Image & Dimensions

Product Dimensions



Product Image



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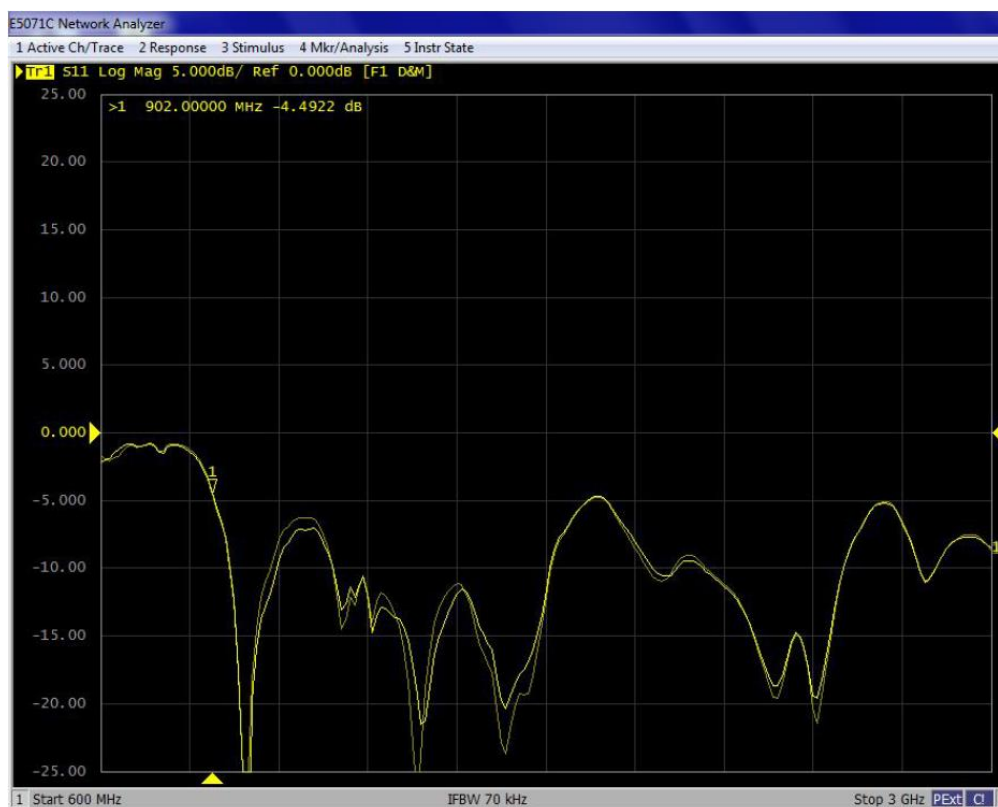


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3 Antenna Datasheet

Antenna VSWR



Antenna Efficient and Gain

Band (MHz)	Efficiency	Gain
900	23%	0.74
902	25%	0.86
905	26%	0.89
910	25%	0.94
915	27%	0.86

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Packaging

TBD

Caution:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please ensure the component is thoroughly evaluated in the application circuit.