

# **AN-07**

**Antenna**

## **Data Sheet**



## Description

Antenna 868 MHz or 916 MHz for IQRF devices. Designed as a  $\frac{1}{4}$  wave whip with SMA connector.

## Applications

- IQRF transceiver modules
- 868 MHz (EU and other countries)
- 916 MHz (USA and other countries)

## Features

- SMA connector
- Small size



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## RF parameters

### Typical values

Frequency	868 to 916 MHz
Gain	2.15 dBi
Input impedance	50 $\Omega$
V.S.W.R	1.5 min.
Max. power	10 W
Polarization	Vertical
Radiation pattern	Circular

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## Mechanical parameters

Cover	PVC, grey-black
Terminal	SMA
Dimensions (length x diameter)	27.5 mm x 9.5 mm
Weight	5 g

*All parameters are for guidance only and should be considered as typical.*

## Ordering code

- AN-07                      Antenna for 868 MHz as well as 916 MHz

## Recommended options

- CAB-U.FL/SMA-05              Antenna cable with SMA and U.FL connectors, for TR module, 5 cm
- CAB-U.FL/SMA-15              Antenna cable with SMA and U.FL connectors, for TR module, 15 cm
- CAB-U.FL/SMA-50              Antenna cable with SMA and U.FL connectors, for TR module, 50 cm

## Document history

- 131115                      Parameters slightly precised
- 100525                      First release

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# Sales and Service

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## Corporate office

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## Partners and distribution

Please visit [www.iqrf.org/partners](http://www.iqrf.org/partners)

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## Quality management

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*Complies with Directive 2002/95/EC (RoHS)*



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