

# **AN-06**

**Antenna**

## **Data Sheet**



## Description

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

## Applications

- IQRF transceiver modules
- 868 MHz (EU), 916 MHz (USA)

## Features

- SMA connector
- 90° joint
- Small size, low cost



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## RF parameters

Frequency	868 to 916 MHz
Gain	2.15 dBi
Input impedance	50 $\Omega$
Max. power	10 W

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## Mechanical parameters

Cover	PVC, black
Terminal	SMA
Dimensions (length x diameter)	85/65 mm x 10 mm
Weight	9 g

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

## Ordering code

- AN-06                      Antenna for 868 MHz as well as 916 MHz

## Recommended options

- CAB-U.FL/SMA-5            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-100        Antenna cable with SMA and U.FL connectors, for TR module, 100 cm

## Document history

- 100525                      First release

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# Sales and Service

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## Partners and distribution

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## Quality management

*ISO 9001 : 2000 certified*

*Complies with ETSI directives EN 30279 V.1.2.1:99, ETS 30683:97, ETSI EN 301489-1:00,  
ETSI EN 300220-1:00, ETSI EN 300390-2V.1.1.1:00*

*Complies with FCC directives FCC CFR, Title 47, Part 15, Section 15.209, FCC CFR, Title 47, Part 15, Section 15.249*

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



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