

# **AN-03**

**Antenna**

## **Data Sheet**



## Description

Removable antenna 868 MHz for IQRF devices. Designed as shortened  $\frac{1}{4}$  wave whip with plastic cover.

## Applications

- IQRF transceiver modules
- 868 MHz (EU and other countries)
- Especially for development

## Features

- Optimized for the IQRF
- Low cost



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## RF parameters

Frequency	
nominal	868.35 MHz
operating	868 $\pm$ 2 MHz
Gain	1.2 dBi
Input impedance	50 $\Omega$
Max. power	10 W
Polarization	Vertical

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## Mechanical parameters

Cover	PVC, black
Terminal	Plug, silvered
Terminal diameter	0.8 mm
Connection	Removable, for TR module equipped with on-board antenna plug connector
Dimensions (length x diameter)	62 mm x 8.5 mm
Weight	4 g

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

## Ordering code

- AN-03                      Antenna for 868 MHz

## Document history

- 110427                      Separate for AN-03 and 868 MHz only
- 090608                      Revised (especially mechanical parameters)
- 100525                      First release (for AN-01, AN-02 and AN-03)

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# Sales and Service

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## Partners and distribution

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

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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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