

# **AN-06**

**Antenna 868/916 MHz**

**Datasheet**



## Description

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

## Features

- SMA connector
- 90° joint

## Applications

- IQRF transceivers
- 868 MHz band (EU and other countries)
- 916 MHz band (USA and other countries)



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### **RF parameters**      **Typical values**

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Frequency	868 MHz to 916 MHz
Gain	2.15 dBi
Input impedance	50 $\Omega$
V.S.W.R.	2.0 min.
Max. power	10 W
Polarization	Vertical (when the antenna is mounted vertically)
Radiation patterns	Omnidirectional in horizontal plane (when the antenna is mounted vertically)

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### **Mechanical parameters**

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

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

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**Product information**

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**Ordering code**

AN-06                      Antenna 868 MHz as well as 916 MHz

**Recommended cables**

CAB-U.FL/SMA-15      Antenna cable with SMA and U.FL connectors, 15 cm  
CAB-U.FL/SMA-50      Antenna cable with SMA and U.FL connectors, 50 cm  
CAB-U.FL/SMA-100    Antenna cable with SMA and U.FL connectors, 100 cm

**Not recommended cable**

CAB-U.FL/SMA-05      Antenna cable with SMA and U.FL connectors, 5 cm

**Document history**

170913                  Chapter Recommended cables added.  
131115                  Parameters slightly precised.  
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 : 2009 certified

Complies with directives 2011/65/EU (RoHS) and 2012/19/EU (WEEE).



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