

AN-07

Antenna 868/916 MHz

Datasheet



Description

Antenna 868 MHz or 916 MHz for IQRF transceivers.
Designed as shortened ¼ wave whip with SMA connector.

Features

- SMA connector
- Small size

Applications

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



RF parameters ***Typical values***

Frequency	868 MHz to 916 MHz
Gain	2.15 dBi
Input impedance	50 Ω
V.S.W.R.	1.5 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)

Mechanical parameters

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

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

Product information

Ordering code

AN-07 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.

Sales and Service

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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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