AN-XXX–0X

Antenna

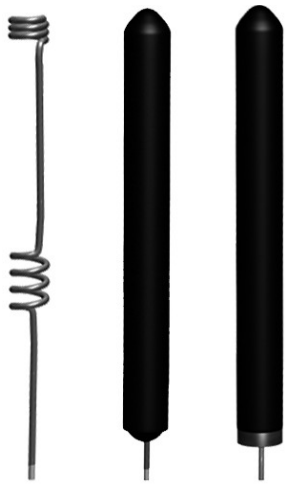
Data Sheet

- AN–868-01
- AN–868-02
- AN–868-03
- AN–916-01
- AN–916-02
- AN–916-03

Simple way to smarter wireless solutions

Description

Antenna 868 MHz or 916 MHz for the IQRFdevices.
Designed as shortened ¼ wave whip.



Applications

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

Features

- Optimized for the IQRF platform
- Low cost

Electrical parameters	***AN-868-0x***	***AN-916-0x***
Operating frequency	868 ± 2 MHz	916 ± 2 MHz
Max. power	10 W	10 W

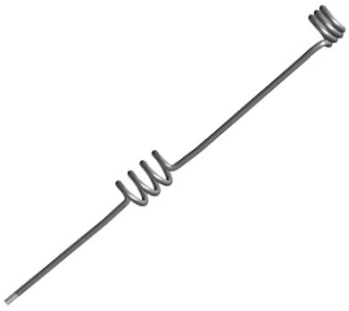
RF parameters	***AN-868-0x***	***AN-916-0x***
Frequency	868.35 MHz	916.50 MHz
Gain	1.2 dBi	1.2 dBi
Input impedance	50 Ω	50 Ω
Polarization	Vertical	Vertical

Mechanical parameters	***AN-xxx-01***	***AN-xxx-02***	***AN-xxx-03***
Cover	lacquered	PVC, black	PVC, black
Terminal	tinned	tinned	plug, silvered
Terminal diameter	0.7 mm	0.8 mm	0.8 mm
Connection	soldering	soldering	connector KON-AN03 [1]
Dimensions (length x diameter)	60 mm x 5 mm	61 mm x 8.5 mm	62 mm x 8.5 mm
Weight	1 g	4 g	4 g

Note [1]: For TR-xxx-xxx**K** module types equipped with on-board antenna connector KON-AN03.

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

Ordering: AN-868-01, AN-868-02, AN-868-03, AN-916-01, AN-916-02, AN-916-03



AN-xxx-01

AN-xxx-02

AN-xxx-03

Document history

- 080610 First release
- 090608 Revised (especially mechanical parameters)

Sales and Service

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