

AN-05-C

Antenna set

Data Sheet

- AN -05 -C5
- AN -05 -C15
- AN -05 -C100



Simple way to smarter wireless solutions

Description

Panel antenna set 868 MHz and 916 MHz for IQRF devices.
Shortened $\frac{1}{4}$ wave whip with connectors, cable and bushing.

Applications

- IQRF transceiver modules
- IQRF gateways, routers etc.
- 868 MHz (EU)
- For TR-xxx**C** modules (with on-board antenna connector KON-U.FL-R-SMT)
- Panel mounting

Features

- Optimized for the IQRF platform
- Shortened $\frac{1}{4}$ wave whip



Electrical parameters	AN-05-C	
Max. power	50 W	
RF parameters	AN-05-C	
Operating frequency	868 MHz to 916 MHz	
Gain	2.15 dBi	
Input impedance	50 Ω	
Polarization	Vertical	
Mechanical parameters	AN-05-C15	AN-05-C100
Cover	PVC, black	PVC, black
Cable connector (antenna side)	SMA/k	SMA/k
Cable connector (TR side)	U.FL-LP-088 (Kyocera)	U.FL-LP-088 (Kyocera)
Cable length	15 cm	100 cm
Recommended bushing hole diameter	6.5 mm	6.5 mm
Antenna dimensions		
length (panel to antenna top)	100 mm	100 mm
diameter (max)	11 mm	11 mm
Weight	20 g	24 g

Recommended usage

Mounting on sheet metal min. 10 cm × 10 cm.

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

Pack list

- Set with antenna, cable and cable connectors

Ordering codes

- AN-05-C5 868 MHz and 916 MHz, cable 5 cm
- AN-05-C15 868 MHz and 916 MHz, cable 15 cm
- AN-05-C100 868 MHz and 916 MHz, cable 100 cm

Document history

- 100525 AN-05-C5 added
- 100116 Extended for 916 MHz
- 090831 First release

Sales and Service

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Partners and distribution

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Quality management

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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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