AN-01

Antenna

Datasheet

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Description

Antenna 868 MHz for IQRF transceivers TR-5xD.
Designed as shortened ¼ wave whip.

Features

- Optimized for IQRF platform
- Low cost

Applications

- IQRF transceiver series TR-5xD
- 868 MHz band (EU and other countries)

RF parameters

Frequency	
Nominal	868.35 MHz
Operating	868 ± 2 MHz
Gain	1.2 dBi
Input impedance	50 Ω
Max. power	10 W
Polarization	Vertical (when the antenna is mounted vertically)
Directionality	Omnidirectional in horizontal plane (when the antenna is mounted vertically)

Mechanical parameters

Cover	Lacquered
Terminal	Tinned, 3 mm length
Connection	Soldering
Dimensions	60 mm x 5 mm (length x diameter), wire diameter 0.7 mm
Weight	1 g

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

Product information

Ordering code

- AN-01 Antenna 868 MHz for TR-5xD

Document history

- 170117 AN-01 declared for TR-5xD only. Parameters slightly extended.
- 110427 Separate document for AN-01 and 868 MHz only
- 090608 Revised (especially mechanical parameters)
- 081228 First release (shared document for AN-01, AN-02 and AN-03)

Sales and Service

Corporate office

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Partners and distribution

Please visit www.iqrf.org/partners.

Quality management

ISO 9001 : 2009 certified

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

Trademarks

Legal

On-line support: support@iqrf.org

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