

AN-12

Antenna 433 MHz

Datasheet



Description

Antenna 433 MHz for IQRF transceivers TR-7xD.
Designed as shortened ¼ wave whip with SMA connector and joint.

Features

- SMA connector
- 90° joint

Applications

- IQRF transceiver series TR-7xD
- 433 MHz band (used in many countries)



RF parameters

Frequency	
Nominal	433 MHz
Operating	433 ± 5 MHz
Gain	2.5 dBi
Input impedance	50 Ω
V.S.W.R.	1.5 max.
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, black
Terminal	SMA, female
Dimensions	116 mm x 10 mm (length x diameter)
Weight	10 g

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

Product information

Ordering code

- AN-12 Antenna 433 MHz

Recommended cables

- CAB-U.FL/SMA-05 Antenna cable with SMA and U.FL connectors, for TR module, 5 cm
- CAB-U.FL/SMA-50 Antenna cable with SMA and U.FL connectors, for TR module, 50 cm
- CAB-U.FL/SMA-100 Antenna cable with SMA and U.FL connectors, for TR module, 100 cm

Not recommended cable

- CAB-U.FL/SMA-15 Antenna cable with SMA and U.FL connectors, for TR module, 15 cm

Document history

- 170913 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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