

# **AN-09**

**Planar antenna 868 MHz**

## **Data Sheet**



## Description

Antenna 868 MHz for IQRF devices.

## Applications

- IQRF transceiver modules
- Nominal frequency 868 MHz (EU and other countries)

## Features

- SMA connector
- Cable 0.3 m or 3 m



---

## RF parameters

Frequency	824 to 896 MHz
Gain	6.7 dBi
Polarization	Vertical
Beam with -3dB	Horizontal 60° Vertical 50°
WSR	≤ 1.5
Input impedance	50 Ω
Max. power	100 W

---

## Mechanical parameters

Terminal	SMA
Dimensions	240 mm x 215 mm x 60 mm
Radome material	ABS
Radome color	white
Weight	1 080 g

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

## Ordering code

- AN-09                      Antenna for 868 MHz, 0.3 m cable
- AN-09(3m)                Antenna for 868 MHz, 3 m cable

## Recommended options

- CAB-U.FL/SMA-15        Antenna cable with SMA and U.FL connectors, for TR module, 15 cm
- CAB-U.FL/SMA-50        Antenna cable with SMA and U.FL connectors, for TR module, 50 cm

## Document history

- 150821                      3 m cable option added. CAB-U.FL/SMA-5 removed from *Recommended options*.
- 121120                      First release

---

# Sales and Service

---

## Corporate office

MICRORISC s.r.o., Prumyslova 1275, 506 01 Jicin, Czech Republic, EU  
Tel: +420 493 538 125, Fax: +420 493 538 126, [www.microrisc.com](http://www.microrisc.com)

## Partners and distribution

Please visit [www.iqrf.org/partners](http://www.iqrf.org/partners)

---

## Quality management

*ISO 9001 : 2009 certified*

*Complies with Directive 2002/95/EC (RoHS)*



## Trademarks

*The IQRF name and logo and MICRORISC name are registered trademarks of MICRORISC s.r.o.  
PIC, SPI, Microchip and all other trademarks mentioned herein are property of their respective owners.*

## Legal

*All information contained in this publication is intended through suggestion only and may be superseded by updates without prior notice. No representation or warranty is given and no liability is assumed by MICRORISC s.r.o. with respect to the accuracy or use of such information.*

*Without written permission it is not allowed to copy or reproduce this information, even partially.*

*No licenses are conveyed, implicitly or otherwise, under any intellectual property rights.*

*The IQRF products utilize several patents (CZ, EU, US)*

---

**On-line support: [support@iqrf.org](mailto:support@iqrf.org)**

---



Smarter wireless. Simply.