

metraTec® HF PCB Antenna Family

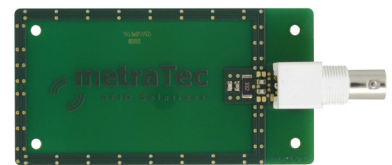
The metraTec PCB Antenna Family includes a range of printed circuit board antennas for 13.56 MHz (HF RFID). With the three standard versions MiniPCB (50 x 96 mm), MidiPCB (150 x 152 mm) and MaxiPCB (250 x 250 mm) you can realize a variety of applications. With the right reader - eg. metraTec's QuasarMX - and tag, you can expect a read range of up to 100, 250 resp. 400 m, which covers most scenarios.

If you need other dimensions, we offer an antenna design service for PCB antennas, as well. For a fixed price, we design an antenna in any shape from 5 x 5 mm to 50 x 50 cm and with any connector you like.

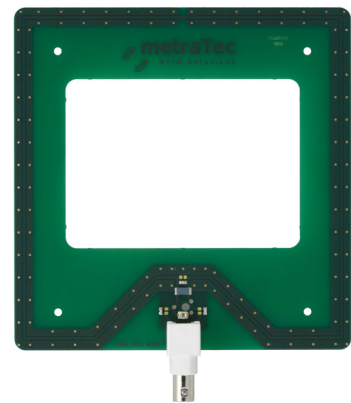
If required, we can also produce flexible versions of our PCB antennas. These can be integrated into even the smallest volumes and are often easier to mount.

Applications

- Integration into machines and devices (OEM systems)
- Integration into contactless entry systems
- Integration into „smart shelves“



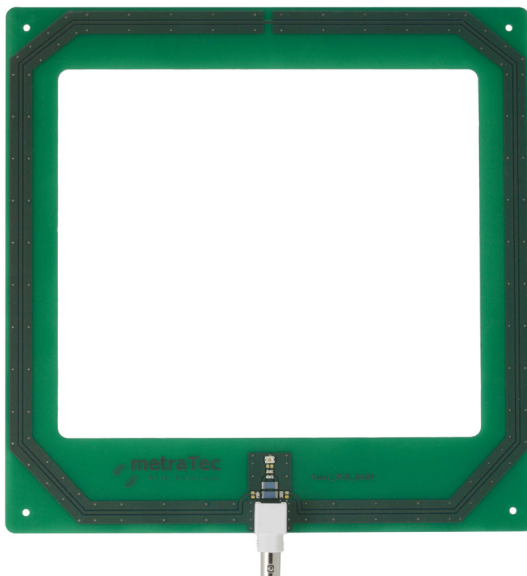
MiniPCB Antenna
Art.-No.: 2200 0072



MidiPCB Antenna
Art.-No.: 2200 0086

Technical Specification

Operating Principle	RFID HF PCB Antenna
Operating Frequency	13.56 MHz (HF RFID)
Impedance	50 Ohm
Connector	BNC (others on request)
Read Range	100 mm (MiniPCB) 250 mm (MidiPCB) 400 mm (MaxiPCB)
Max. RF Power	2 W
Operating Temperature	-40 °C to +85 °C
Dimensions	50 x 96 mm (MiniPCB) 150 x 152 mm (MidiPCB) 250 x 250 mm (MaxiPCB) (others on request)



MaxiPCB Antenna
Art.-No.: 2200 0027

At a Glance

- Cost Effective Design
- Individual Dimensions Possible
- Integration into OEM Hardware

About metraTec

metraTec develops, manufactures and sells RF hardware for the product segments „Identification“, „Localization“, „Communication“ and „Wireless Power“. It serves a variety of industries, both with standard products as well as custom solutions. Our customers are system integrators, OEM customers as well as research institutes world wide.

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