

Data sheet

RFID HF PCB Antenna

Article No.: PCBA1356_X-XXX



Picture 1 – RFID PCB Antenna [5cm x 5cm]



Picture 2 – Various PCB RFID Antennas

Description:

RFID HF PCB Antennas allow you to quickly and cost-effectively supplement your application by further reading points. For RFID systems in the HF area (13.56 MHz), this is the optimum complementation possibility. Standard sizes of the square PCB antennas are 5cm x 5cm or 8cm x 8cm. In addition, a rectangular 4cm x 2cm version is available for small applications.

All antennas are equipped with pads to mount a matching network as well as a SMA socket. No matter if you want to supplement your existing system by further reading points, if you want to extend a KTS RFID system, or if you are looking for an antenna for a customary reader - a PCB antenna provides you with a cost-effective reading capability.

All antennas will be delivered matched to 50 Ohms.

Technical data:

Technical specifications

Product type	PCB antenna for passive RFID HF transponders
Operating frequency	13.56MHz
Antenna connection	Equipped with SMA socket
Max. applicable power	1.0W
Effektive area of the antenna	5 x 5 [cm] / 8 x 8 [cm] / 2 x 4 [cm]
Matching network	Available and equipped, factory-made to 50 Ohm
PCB dimensions	72 x 55 [mm]
Mounting option	Screwable by means of 4 holes
Customer-specific size	Yes, upon individual request
Order number	<p>PCBA1356_4-001 (ISO 15693 antenna 2 x 4 [cm]) standard SMA jack</p> <p>PCBA1356_4-002 (ISO 15693 antenna 2 x 4 [cm]) standard SMA plug</p> <p>PCBA1356_4-011 (ISO 14443 antenna 2 x 4 [cm]) standard SMA jack (Außengewinde)</p> <p>PCBA1356_4-012 (ISO 14443 antenna 2 x 4 [cm]) standard SMA plug (Überwurfmutter)</p> <p>PCBA1356_5-001 (ISO 15693 antenna 5 x 5 [cm]) standard SMA jack</p> <p>PCBA1356_5-011 (ISO 14443 antenna 5 x 5 [cm]) standard SMA jack</p> <p>PCBA1356_8-001 (ISO 15693 antenna 8 x 8 [cm]) standard SMA jack</p> <p>PCBA1356_8-011 (ISO 14443 antenna 8 x 8 [cm]) standard SMA jack</p>



SMA plug [m]



SMA jack [f]

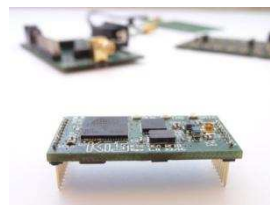
Further KTS RFID components:



SRR1356-003 – ShortRange Reader



SRR1356-002 – ShortRange Reader mit integrierter Antenne



RFIDM1356 - RFID OEM Module



DTR1356 – Desktop Reader

