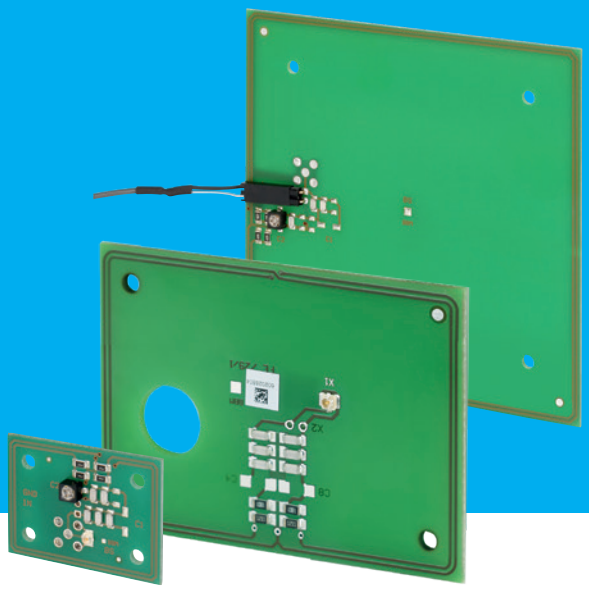
ID ANT40/30 / ID ANT70/50 / ID ANT100/100

HF-ANTENNAS FOR RFID PROXIMITY READER

- RFID antenna – Impedance: 50 Ω
- Frequency: 13,56 MHz
- Transmitting power: 1,2 W max.
- Data transfer rate up to 424 kbits/s
- Reading distance up to 14 cm (ID ANT100/100)
- Versions with 2-pin header, U.FL jack, or SMA jack available



Antennas for RFID proximity reader

The external antennas ID ANT40/30 / ID ANT70/50 / ID ANT100/100 could be used with all supported HF reader modules.

Antennas support systems according to ISO 14443-A/-B and ISO 15693.

Typical applications

- eTicketing
- eMobility
- Closed Loop Payment

ANTENNAS FOR RFID PROXIMITY READER

13,56 MHz antennas for the integration in handhelds, terminals and more

Technical data	ID ANT40/30	ID ANT70/50	ID ANT100/100
Dimensions (w x h x d)	40 mm x 30 mm	70 mm x 50 mm	100 mm x 100 mm
Interface			
2-pin connector	ID ANT40/30-A		ID ANT100/100-A
U.FL socket	ID ANT40/30-U.FL	ID ANT70/50	ID ANT100/100-U.FL
SMA socket	ID ANT40/30-SMA		
Operating frequency	13,56 MHz	13,56 MHz	13,56 MHz
Impedance	50 Ω	50 Ω	50 Ω
Max. transmitting power	1,2 W	1,2 W	1,2 W
Max. reading distance	up to 7 cm*	up to 10 cm*	up to 14 cm*
Data transfer rate	up to 424 kbit/s	up to 424 kbit/s	up to 212 kbit/s
Temperature range			
Operation	–25 °C up to +70 °C	–25 °C up to +70 °C	–25 °C up to +70 °C
Storage	–40 °C up to +85 °C	–40 °C up to +85 °C	–40 °C up to +85 °C
Relative air humidity	0 % up to 95 % (non-condensing)	0 % up to 95 % (non-condensing)	0 % up to 95 % (non-condensing)

* The reading ranges depends on the used transponder.
The ranges are based on an antenna inlay of 76 mm x 45 mm.

Standard conformity

Environment	WEEE-2012/19/EC, RoHS-2011/65/EC

Supported products

ID M02.M8 / M03.M8
ID MRM103 / MR103
ID CPR70
ID CPR74

Order descriptions

ID ANT40/30-A	1967.000.01	Variant with 2-pin connector
ID ANT40/30-U.FL	3674.000.01	Variant with U.FL connector
ID ANT40/30-SMA	6535.000.01	Variant with SMA connector
ID ANT70/50	7544.000.00	
ID ANT100/100-A	1968.000.00	Variant with 2-pin connector
ID ANT100/100-U.FL	3673.000.00	Variant with U.FL connector

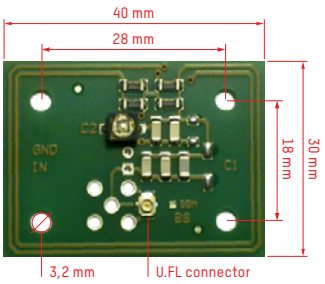
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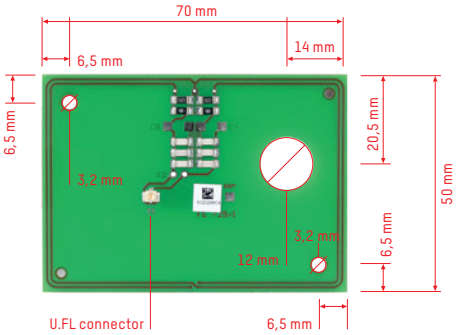
ANTENNAS FOR RFID PROXIMITY READER

13,56 MHz antennas for the integration in handhelds, terminals and more

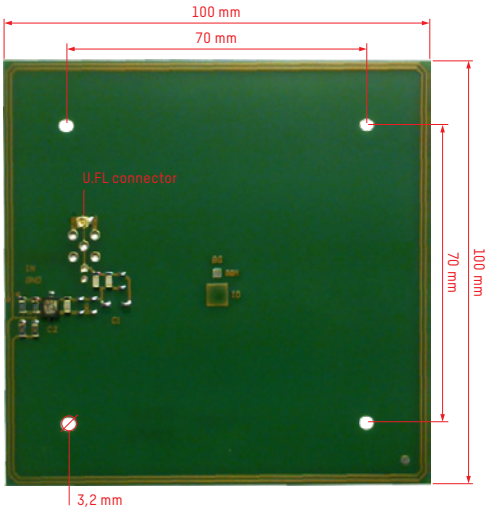
ID ANT40/30-U.FL



ID ANT50/70



ID ANT100/100-U.FL



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