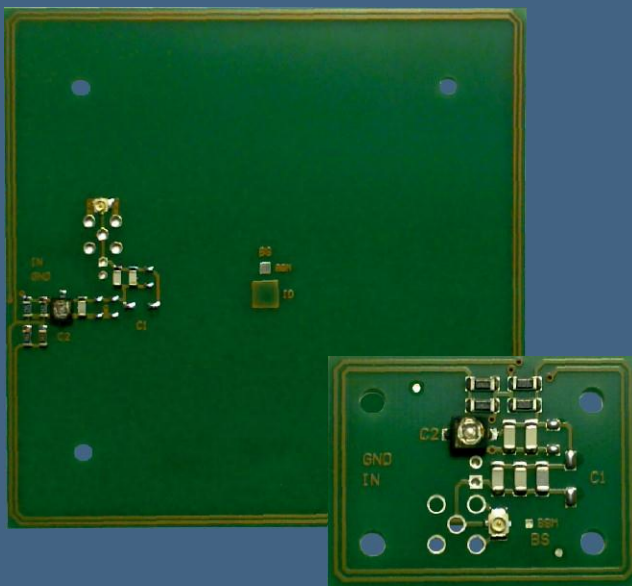


ID ISC.ANT40/30 & ID ISC.ANT100/100

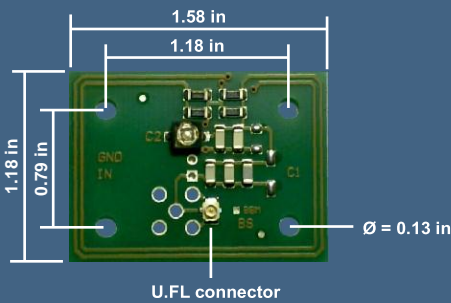
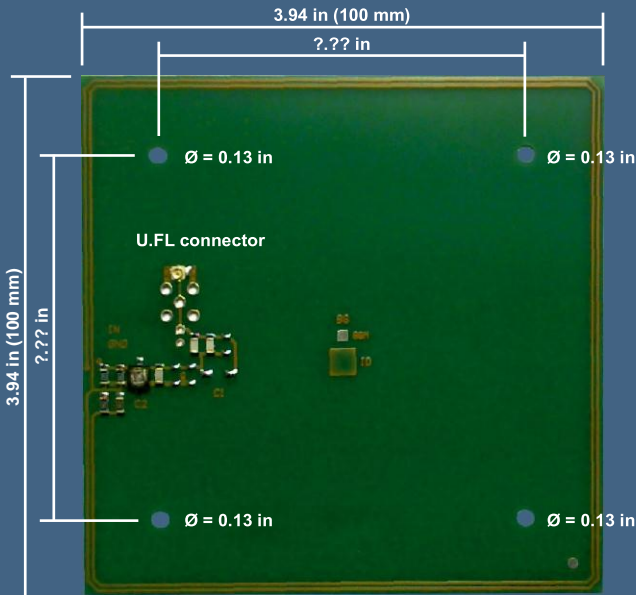
HF-Antennas for RFID proximity reader



- RFID antenna - Impedance: 50 Ω
- Frequency: 13.56 MHz
- Transmitting power: 1 W max.
- Data transfer rate up to 424 k bits/s
- Reading distance up to 5.87 in (14 cm) (ID ISC.ANT100.100)*
- 2 pin or U.FL connector option

- Vending
- eTicketing
- eMobility

®



Pictures show layout with U.FL connector

The external antennas ID ISC.ANT40/30 and ID ISC.ANT100/100 could be used with all supported HF reader modules of the OBID *i-scan*[®] HF und OBID[®] *classic-pro* series (ISO/IEC 14443-A/-B or ISO/IEC 15693).

* The reading ranges depends on the used transponder.
The ranges are based on an antenna inlay of 2.99 in x 1.77 in (76 mm x 45 mm).

Specifications

ID ISC.ANT40/30

Dimensions (W x H)	1.58 in x 1.18 in (40 mm x 30 mm)
Interface	
ID ISC.ANT40/30-A	2-pin connector
ID ISC.ANT40/30-U.FL-A	U.FL connector
Operating frequency	13.56 MHz
Impedance	50 Ω
Transmitting power	1 W max.
Max. reading distance	up to 2.76 in* (7 cm)*
Data transfer rate	up to 424 kbit/s
Power supply	unneeded
Environmental conditions	
Operation	-13°F - 158°F (-25 °C - 70 °C)
Storage	-40°F - 185°F (-40 °C - 85 °C)
Relative humidity	0 % - 95 % (noncondensing)

ID ISC.ANT100/100

Dimensions (W x H)	3.94 in x 3.94 in (100 mm x 100 mm)
Interface	
ID ISC.ANT100/100-A	2-pin connector
ID ISC.ANT100/100-U.FL-A	U.FL connector
Operation frequency	13.56 MHz
Impedance	50 Ω
Transmitting power	1 W max.
Max. reading distance	up to 5.87 in* (14 cm)*
Data transfer rate	up to 212 kbit/s
Power supply	unneeded
Environmental conditions	
Operation	-13°F - 158°F (-25 °C - 70 °C)
Storage	-40°F - 185°F (-40 °C - 85 °C)
Relative humidity	0 % - 95 % (noncondensing)

Certifications of conformity

Environment	WEEE – 2002/96/EC RoHS – 2002/95/EC
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Supported products

OBID <i>i-scan</i> [®] HF	ISC.M02-B ISC.M02.M8-B
OBID [®] <i>classic-pro</i>	CPR.M02.VP/AB-BA CPR.M02.VP/AB-CA CPR40.01-x CPR44.0x



Subject to modifications.
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