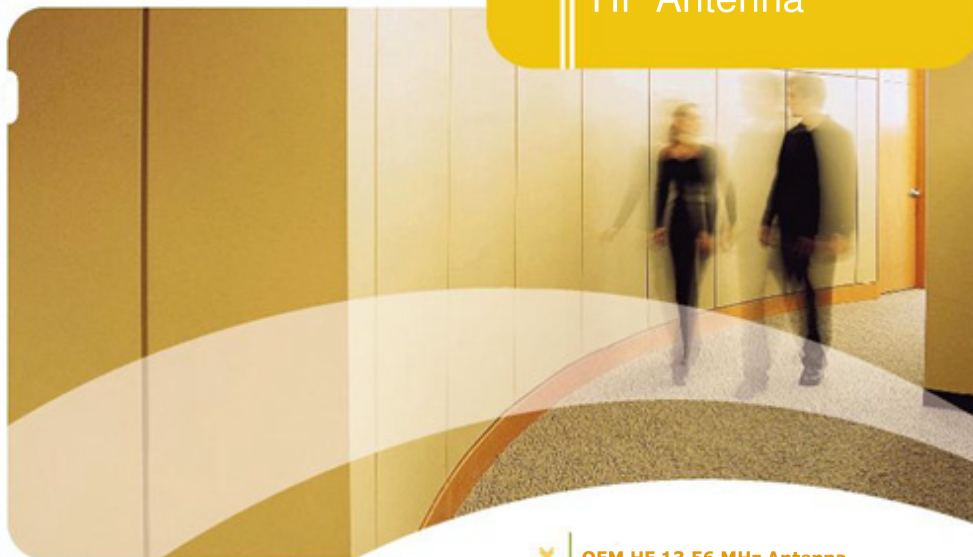*rfid enabled*

skyetek

OEM HF 13.56 MHz Antenna

FEATURES:

• Compatible with nearly all 13.56 MHz RFID readers

• Standard SMA connection

BENEFITS:

• Easy to integrate

• Can extend range of some RFID readers
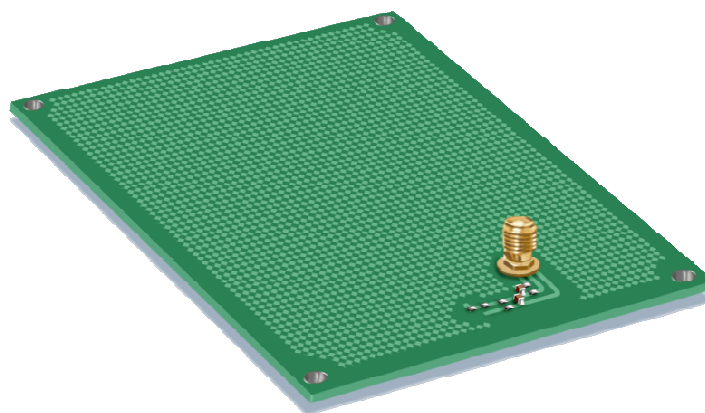
• OEM Ready

Product Overview

The SkyeTek RFID HF Antenna for OEMs allows you to quickly and cost-effectively supplement your RFID application by adding additional reading points. For RFID systems in the HF frequency band (13.56 MHz), this can save significant development and production costs.

All antennas are equipped with SMA female connectors for easy integration and have 50 Ohms impedance.
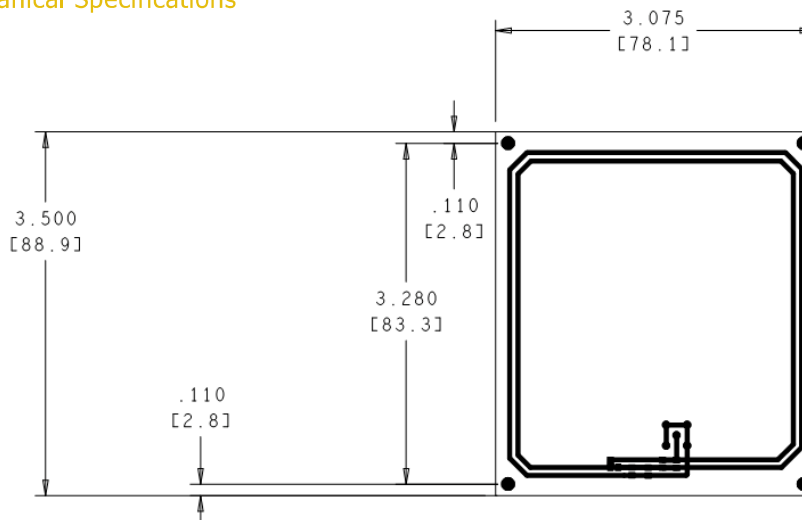
Applications

The SkyeTek HF Antenna can be used for any OEM applications in which a larger read range needs to be achieved than can be realized with an internal antenna, or any application that uses a multiplexer to connect multiple antennas to one RFID reader.

For more information:

1525 Market Street, Ste 200

Denver, Colorado 80202 USA

ph: 720.328.3425

www.skyetek.com

Mechanical Specifications

Operating Frequency
13.56 MHz

Physical Dimensions

Width: 3.075 in (78.1 mm)

Length: 3.500 in (88.9 mm)

Height: 0.375 in (9.5mm)

RF Output Power
1.0 W Max

Connector Type

SMA female

Impedance

50 Ohms

Weight

28g

Operating Temperature
0 to 55°C

Storage Temperature
-20 to 70°C

Other Offerings from SkyeTek

SkyeTek provides a variety of reader technology at both 13.56 MHz (HF) and ~900 MHz (UHF). The M1, also part of the SkyeModule HF line, is slightly larger than the M1-Mini and adds 8 GPIO pins and native support for RS232 host interface. ReaderDNA, a comprehensive reference design, is available for component level integration of the technology including complete design files, BOM, and test fixture. ReaderWare, an open-architected software suite residing on all SkyeTek's modules, provides intelligence for the RFID reader. The SkyeModule M9 is a low power, compact, UHF reader compatible with EPC and ISO transponders. All SkyeModules are controlled via the SkyeTek Protocol, a powerful but simple communication protocol that grants the user access to all features of an RFID transponder. Further, they have been designed with flexible and modular embedded software that allows one to select only the desired features.