HIRSCH

External NFC Antennas

Integrates with uTrust Modules*



External NFC antenna options enable easy integration with several uTrust modules.

Hirsch's External NFC Antennas make product and application integration seamless. Designed for application developers and solution providers, these antennas enable easy testing of various shapes and sizes to meet specific product requirements. Available in three sizes 1x1 inch, 3x2 inch, and a circular 1.5-inch diameter antenna they offer flexibility for diverse use cases. Ideal for testing and optimizing NFC connectivity in various applications, these antennas provide a versatile solution for integrating NFC functionality into your products.

All antennas are equipped with a U.FL (IPEX) connector for a 50 Ohm cable, providing reliable connectivity. They also include mounting holes for easy installation in various applications. These features ensure seamless integration into devices such as kiosks, terminals, and other contactless systems. Additionally, Hirsch offers a custom antenna design service to meet specific size, shape, or performance requirements, providing a tailored solution for any unique project. Whether you need an antenna for specialized environments or particular technical specifications, Hirsch's design services ensure optimal performance and compatibility with your system's needs.

**Compatible with uTrust 3502 F, 3523 F, and 5501 F via U.FL connector*

Features

Ready to Use

- Easy integration with uTrust 3502 F, 3523 ECP, and 5501 F

Supports Wide Range of Applications

- Different form factors, tuning values and 2 different cable length

Ideal for Test and Integration

- Variable cable lengths

Customization Available

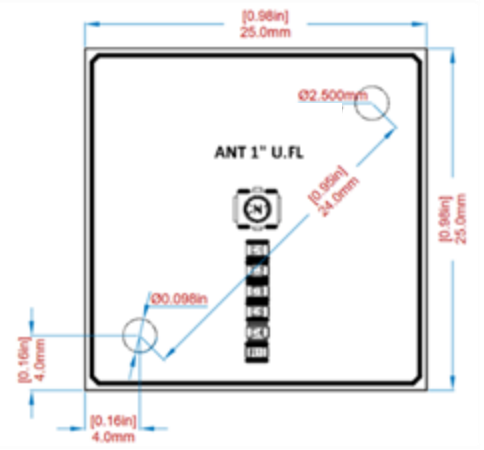
- Custom shapes, sizes, and capabilities designed to suit your solution

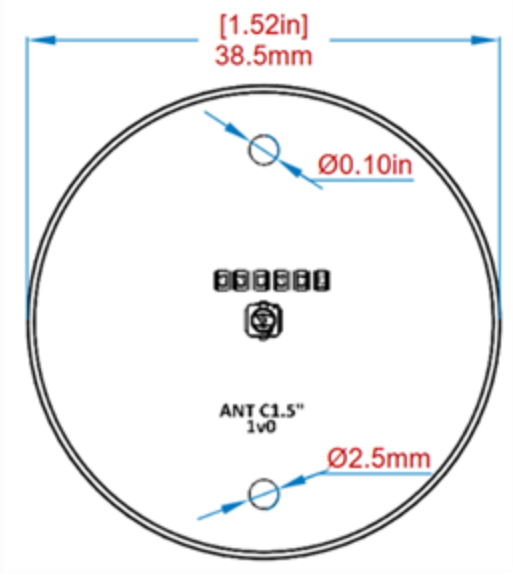
SPECIFICATIONS

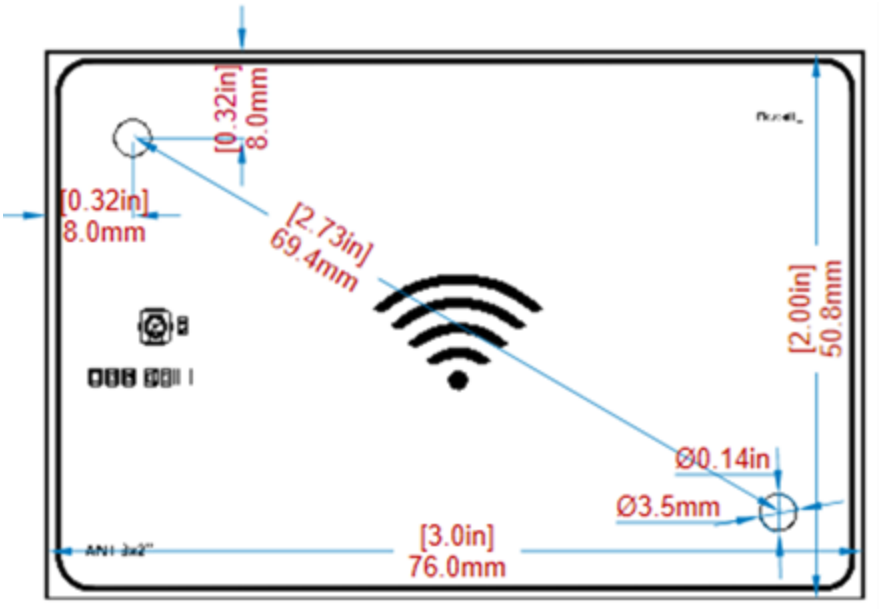
Parameter			
Part Description	Antenna 1 inch	Antenna 1.5 inch circular	Antenna 3 x 2 inch
Antenna Connector	U.FL (IPEX, IPAX, IPX)		
Q-Factor	60	30	26
Tuning Frequency	13.6 MHz ± 100 kHz	13.56 MHz	13.5 MHz
Impedance Tuning Frequency	27 ± 3 Ohms	27 ± 3 Ohms	65 Ohms
Physical Dimensions	1 x 1 in (2.54 x 2.54 mm]	1.5 in (3.85 mm)	3 x 2 in (7.6 x 5.08 cm)
Mounting holes	0.1 in [2.5 mm]	0.1 in (2.5 mm)	0.14 in (3.5 mm)
Antenna Cables	2 in (5 mm) and 10 in (25 mm)	2 in (5 mm) and 10 in (25 mm)	2 in (5 mm) and 10 in (25 mm)
Ordering Information			
Product Part Number	115299R3R	115301R3R	115300R3R

We are committed to ensuring that all of our products are PFAS-free and that the minerals used are responsibly sourced. Through rigorous due diligence and adherence to industry standards, we strive to provide products that are safe, sustainable, and ethically produced.

Physical Dimensions and Mounting







Hirsch is a global technology leader, revolutionizing physical security solutions, video intelligence, and digital identification systems.
For more information, visit hirschsecure.com or email sales@hirschsecure.com.

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