

Amphenol® RF Near Field Communication (NFC) Antennas

Short Range Internal Antennas



Overview

Amphenol RF offers a wide variety of Near Field Communication (NFC) internal antennas that are easy to use and offer high-performance capabilities to support NFC-Forum wireless standards. NFC antennas are available in standard configurations with adhesive mount options. These short range internal antennas operate at 13.56 MHz and are well suited for compact IoT devices such as smart phones, tablets and gaming consoles and within POS terminals and ticketing systems, and are commonly used in devices that require pairing.

Features and Benefits

- · Ideal for compact IoT applications
- · Adhesive mount options, with and without cable
- · Operates at 13.56 MHz
- · Designed to support NFC-Forum wireless protocols
- · Short range data transfer capabilities

For more information on Internal RF Antennas, visit:

https://www.amphenolrf.com/antennas.html

Applications





Smart Phones

Tablets

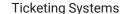






Payment Systems







Bluetooth Pairing

Amphenol RF

Four Old Newtown Road Danbury, CT 06810

For more information visit www.amphenolrf.com or call 800.627.7100

Amphenol® RF

Ordering Information



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Part Number *With Matching Network **No Matching Network	ST0812-00-N01-A	ST0812-11-N01-A	ST0812-11-N02-A NFC FORUM	ST0815-00-N01-A	ST0815-11-N01-A	ST0815-11-N02-
Frequency (MHz)*	13.56					
Material	FPC Ferrite Adhesive 3M 467			PCB Ferrite Adhesive 3M 467		
Impedance (Ω)*	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30
Inductance (µH)**	2.37	1.75	1.54	1.96	1.74	1.54
Resistance (Ω)**	1.38	1.49	1.64	0.88	1.03	1.12
Self Res. Frequency (MHz)**	24.35	93.59	84.27	71.04	83.67	74.05
Q-Factor**	22.1	56.7	49.4	76.2	65.2	58.3
Dimensions (mm)	15 x 19 x 0.35	30 x 34 x 0.35	45 x 34 x 0.35	15 x 19 x 1	30 x 34 x 0.6	45 x 34 x 0.6
Temperature Range (°C)	-40 to 85					
Humidity	Non-condensing 65°C 95% RH					
RoHS	RoHS Compliant					