seeed studio

INDUSTRIAL PRODUCT DATASHEET

RF Explorer H-Loop Near Field Antenna (RFEAN25)

[image] RF Explorer RFEAH-25 is a 25mm diameter, high performance near field H-Loop antenna.

SKU	UPDATED	PRICE
114990711	2026-11-11 07:02:54	$31.63(Excl. VAT)



Overview



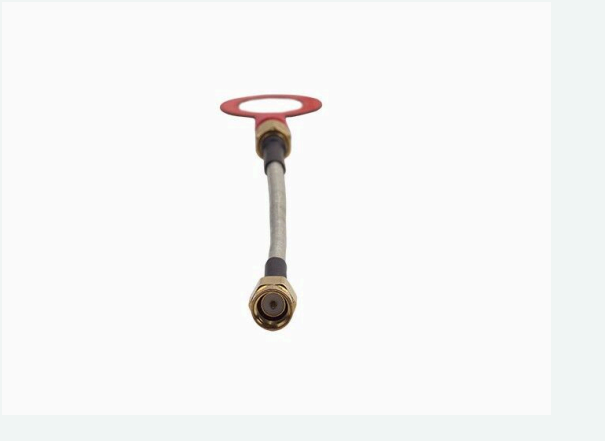
[image] RF Explorer RFEAH-25 is a 25mm diameter, high performance near field H-Loop antenna. RFEAH-25 is a very sensitive, compact, and easy to use H-loop near field antenna. The low-loss design exhibits at least 10dB more sensitivity in the range 20-6000MHz than other H-loop options in the market, at a much lower cost. This product is a co-create collaboration with Seeed Studio and RF Explorer.

Key Features

01 **Capable of pre-EMC compliance tests**

Product Gallery







Applications

- **Detect radiation: Easily determine the electronic component or PCB signal track creating a wanted or unwanted RF radiation.**
- **Sniff and measure: Follow the signal path in any RF or high-speed digital circuit, with no need to actually contact the circuit itself.**
- **Find bugs: Thanks to great spatial resolution, it is an ideal antenna to check for RF bugs such as hidden cameras or microphones in a room.**
- **Diagnose EMI: Check any electronic device for RF radiation limits. This may include a connector with leakage, a module creating interference in a drone or RC plane, an oscillator or crystal that may not be working at the right frequency, etc.**
- **Pre-compliance EMC testing: Help on finding possible sources of interference in a design before passing an expensive EMC lab test for approval EU / FCC.**
- **Create interference: it can be used to introduce RF interference in specific areas of a circuit or device, to check on side effects as well as diagnose the root cause of intermittent problems.**
- **Connect it to a Signal Generator and use CW or Frequency Sweep to check how your circuit responds.:** Multi-tool: RFEAH-25 can be used with RF Explorer Spectrum Analyzer and Signal Generator. But it can be used with any spectrum analyzer brand, as well as oscilloscopes. It is DC decoupled up to 25V so pretty much risk-free if makes contact with the PCB circuit under test.

Resource Links

- https://www.seeedstudio.com/RF-Explorer-H-Loop-Near-Field-Antenna-RFEAN2-p-2720.html

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