

1313 Series Loop Antenna



Electrical Specifications 1313-1A (Active Loop)

Frequency Range	9 kHz—30 MHz
Dynamic Range	95 dB at 10 kHz 100 dB at 100 kHz 100 dB at 1 MHz
Sensitivity (Typical)	-5dB (uA/m) at 10 kHz -20 dB (uA/m) at 100kHz -40 dB (uA/m) at 1 MHz
1 dB Compression Point	20dB (V/m) at 10kHz 10dB (V/m) at 100kHz -10dB (V/m) at 1MHz
Power Required	Dual 18650 Batteries in Series
Impedance (Nominal)	50 Ω
Connector	BNC Female
Indicator	Low Battery Power Indicator* Saturation Indicator* *

* When the Low Battery Indicator lights up, it means that the battery voltage is lower than 6.6V (2 x 18650 batteries in series), and the fully charged battery needs to be replaced and the low battery charged. If you continue to use a low-battery battery, the amplifier gain will decrease due to the low voltage, resulting in a change in the antenna coefficient and affecting the accuracy of the test results.

** When the Saturation Indicator lights up, the detected signal strength exceeds the 1dB compression point of the built-in amplifier (-10dBV/m@1MHz), and the test results are no longer accurate. The power of the detection signal should be reduced, or the DUT should be kept away until the saturation power indicator is off.

Note: If the BNC output is not connected to the load, or the BNC cable is not in good contact, the built-in amplifier will work abnormally due to the open circuit reflection of the port, and the power saturation indicator will also light up, and the load or BNC cable needs to be adjusted to continue to use. If the power saturation indicator is still solid after adjustment, please turn off the power, do not continue to use it, and contact after-sales service for fault confirmation or repair.

1313 Series Loop Antenna

Electrical Specifications 1313-1P (Passive Loop)

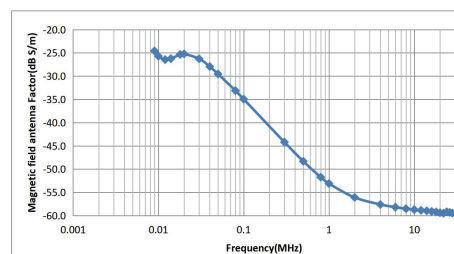
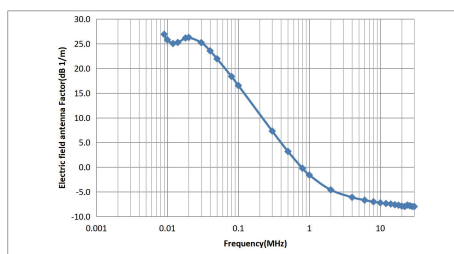
Frequency Minimum	9 kHz
Frequency Maximum	30 MHz
Turns	1
Connectors	BNC Female
Maximum Input Power	20 W
Polarization	Linear

Physical Specifications

Parameter	1313-1A	1313-1P
Diameter	60 cm (23.62 in)	60 cm (23.62 in)
Height	67.3 cm (26.50 in)	67.3 cm (26.50 in)
Length	12 cm (4.72 in)	12 cm (4.72 in)
Width	19 cm (7.48 in)	19 cm (7.48 in)
Weight	2 kg (4.41 lb)	1.8 kg (3.97 lb)

Typical Data

1313-1A



1313-1P

