



Data Sheet

ANT901 – Internal FLARM Antenna EU/US

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Description

The ANT901 is an antenna for internal applications. It offers a low profile and wide bandwidth to cover both European and North American SDR/ISM bands used by FLARM devices. It is well-suited for applications in the vicinity of cylindrical batteries. Manufactured from stamped metal, it offers low cost and low production tolerances. To avoid vibrations of the systems, the antenna contains a mounting hole for attachment to a PCB with a plastic spacer.

Specifications

Mechanical

	Typical Dimension	
Length	42 mm	+ - 0.2 mm
Width	45 mm	+ - 0.2 mm
Height	29 mm	+ - 0.2 mm
Spacer (Nylon)	25 mm	+ - 0.4 mm

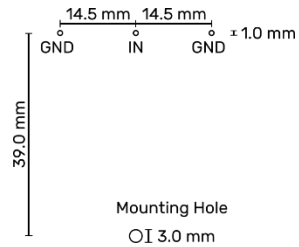
RF

	Typical Dimension	
Frequency Range	868 MHz – 930 MHz	+ - 2 MHz
Impedance	50 Ohms	
Return Loss	8 dB min	
Maximum Gain	1.8 dBi	+ - 0.2 dBi
Maximum Horizontal Gain	0.3 dBi	+ - 0.5 dBi
Polarization	Vertical	

Material

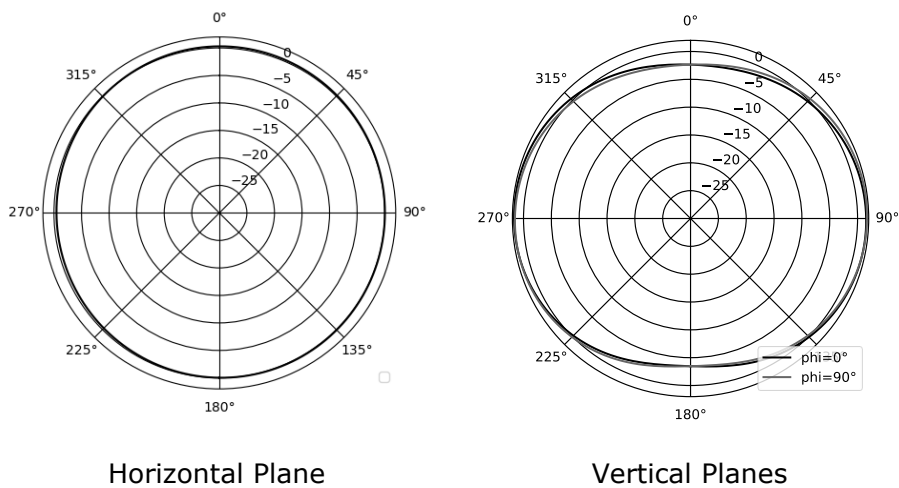
Brass C27400 / Electroless Nickel Plating

Footprint

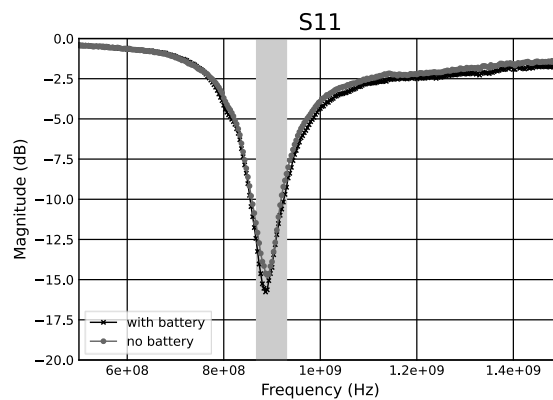


Plots

Gain



Return Loss



gray bar marks the frequency band of operation

Illustrations

