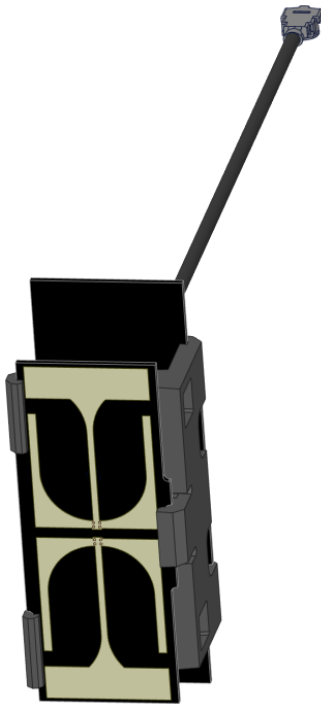


eBee WLAN Antenna

Technical Data Sheet

Description: 2400 – 2500MHz PCB Dipole Antenna + META reflector
Revision 1.1

PART NUMBER: SF_EBZ_ANT_WLAN_HW01



Mini PCB Embedded Wireless Antenna

The AgEagle internal wireless antenna features a thin dipole PCB with Meta reflector that supports C2 applications. The antennas are specifically designed to be embedded inside AgEagle UAVs for better integration.

Features:

- Frequency 2400 – 2500MHz
- Omnidirectional patterns
- Gain 2.14 dBi
- VSWR < 2.5:1
- Length 34 mm straight position
- 1.13 mm Ø coaxial cable with MHF connector
- Cable length: 285mm (Front) / 90mm (Rear)
- Conformance to European RoHS

Applications:

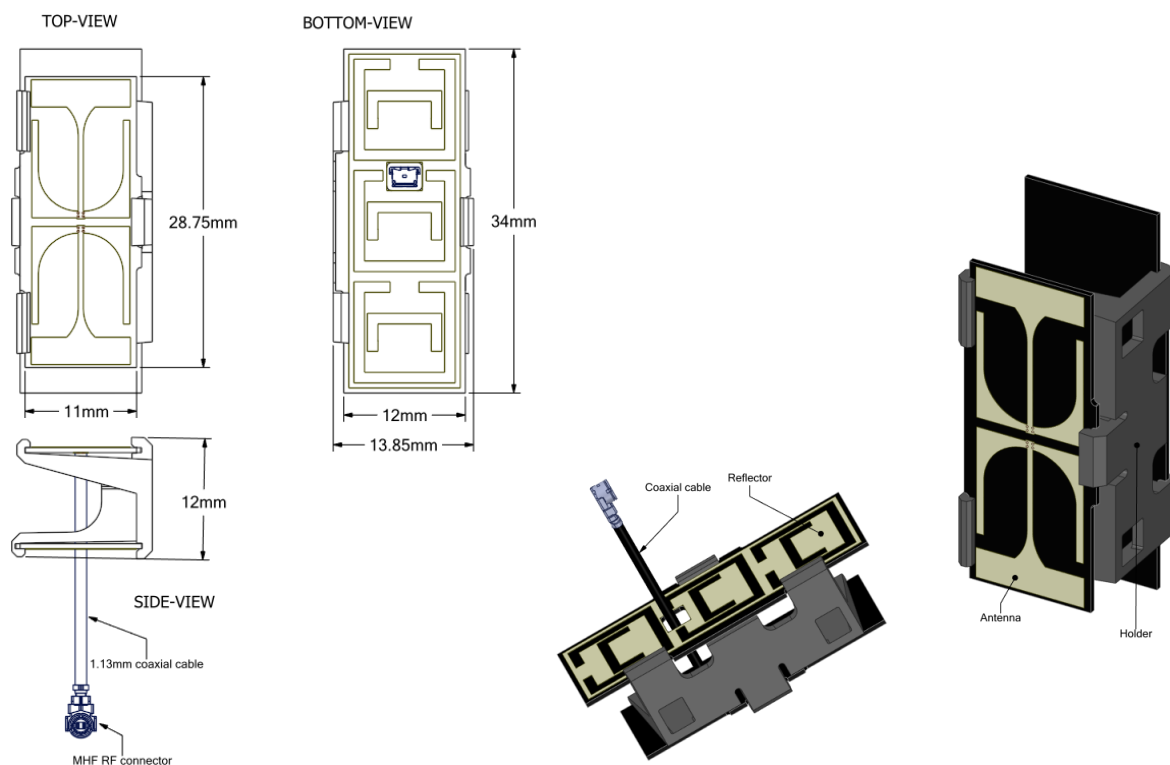
- 2.4GHz ISM band radios: WLAN, 802.11a/b/g/n/ac

ELECTRICAL SPECIFICATIONS

Antenna Type	PCB Dipole
Frequency	2.437 GHz
Peak Gain	2.14 dBi
VSWR	max. 2.5:1
Average Efficiency	> 75%
Polarization	Linear Vertical
Radiation Pattern	Omnidirectional
Nominal Impedance	50 Ohms
Power Handling	2 Watt CW

MECHANICAL SPECIFICATIONS

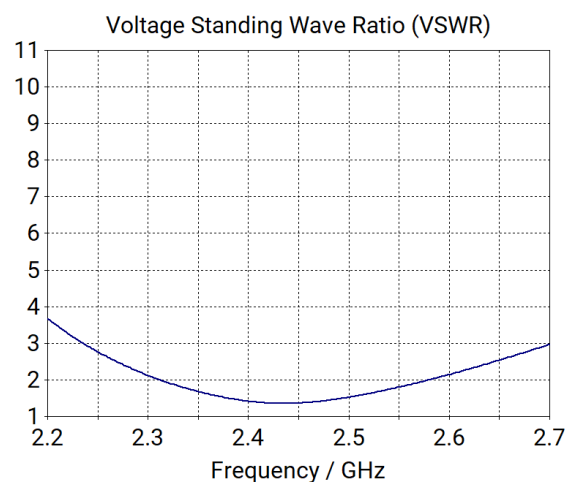
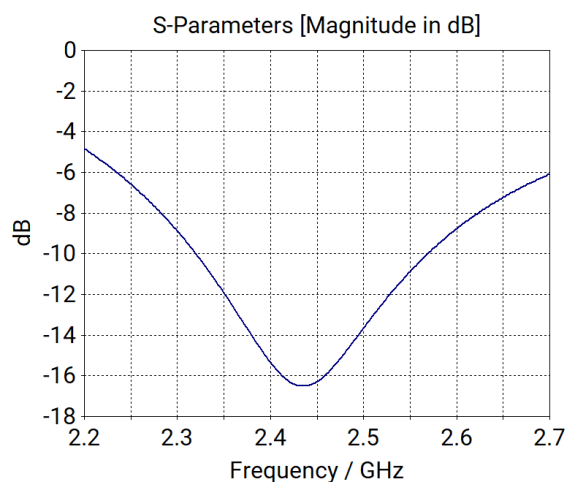
Mechanical Size	34 mm x 13.85 mm x 12 mm
Weight	1.8 g
Color	Black
Connector Type	IPEX U.FL - MHF



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C
RoHS	Compliant

RETURN LOSS / VSWR



RADIATION PATTERNS

