



Datasheet

IF-400

2.4 / 5GHz WiFi Internal Antenna

Datasheet v2.0

Specification subject to change without notice



1.0 Specification

1.1 Electrical

Frequency	2400 ~ 2483.5MHz/4900~5825MHz
Impedance	50 ohm
Polarization	Linear
Gain	3dBi average
VSWR	< 2.0
PCB Dimension	45 x 7 x 0.3mm

1.2 Mechanical

Cable	RF1.37
Connector	IPEX other options available
Mounting Method	Adhesive

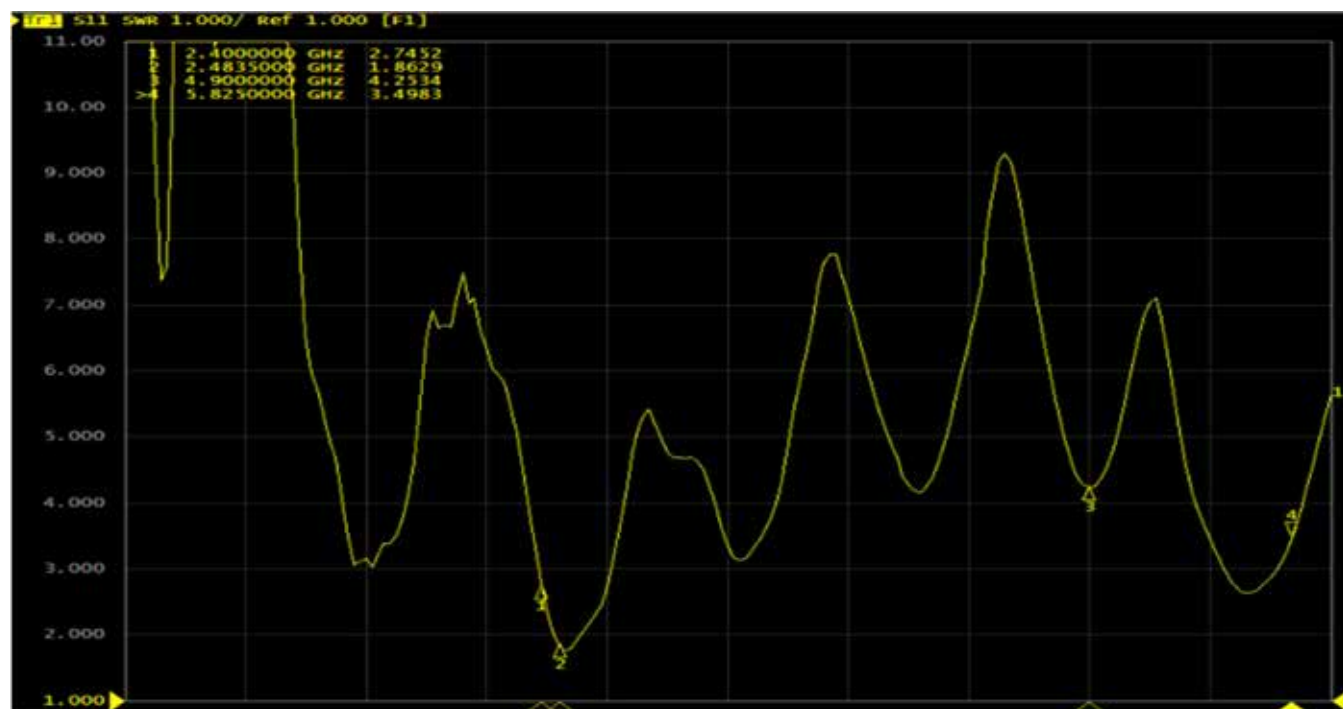
1.3 Environmental

Operating Temperature	-40C to +85C
Vibration	10 - 55Hz 1.5mm amplitude. Tested 2h

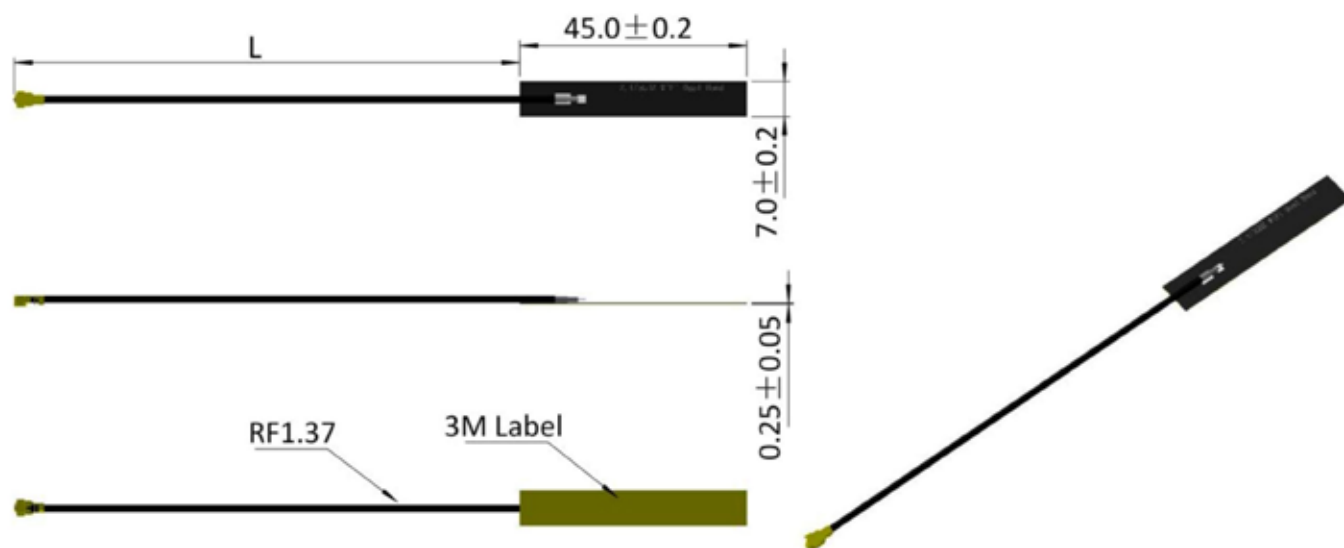
1.4 Antenna Efficiency

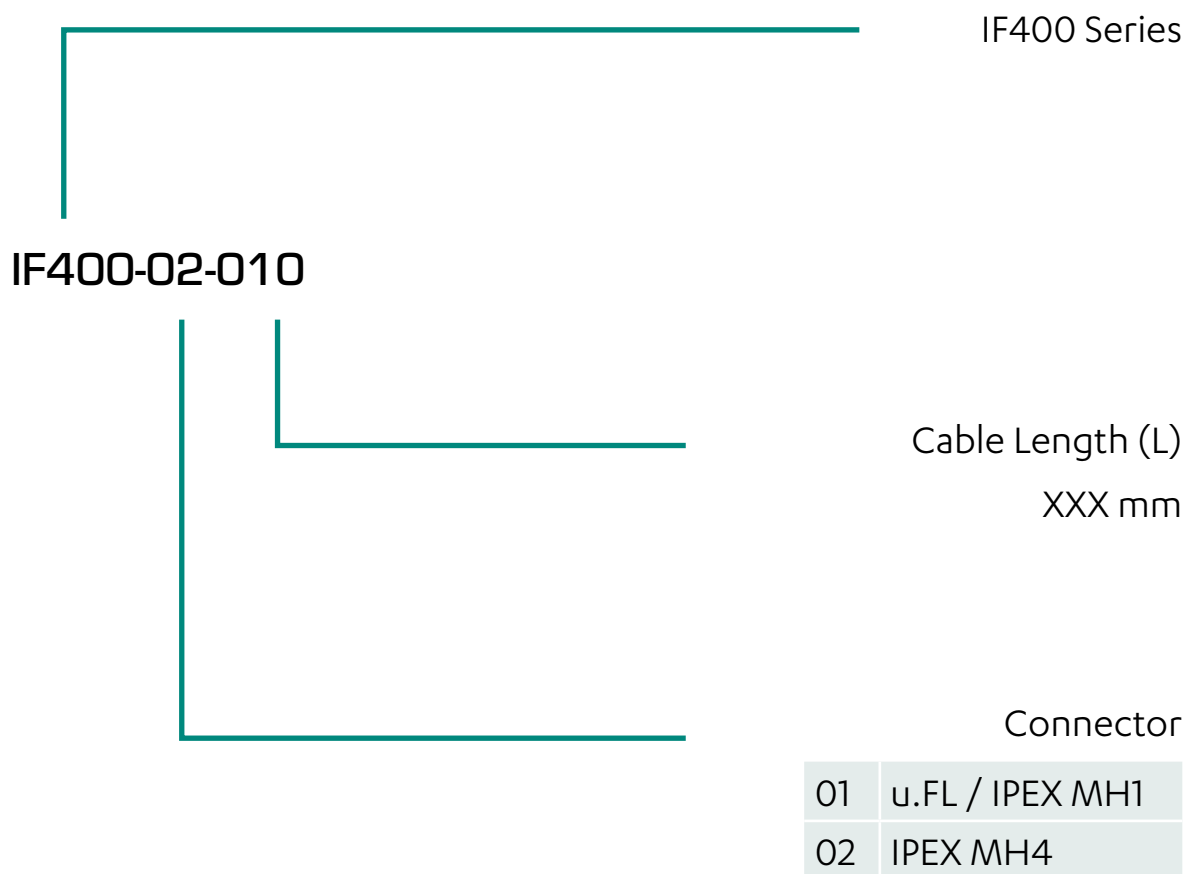
Frequency (MHz)	Gain (dBi)	Efficiency
2400	2.36	52.16%
2450	2.51	58.71%
2483.5	2.65	62.43%
4900	2.33	48.98%
5100	1.88	43.00%
5300	1.72	40.42%
5500	3.84	64.84%
5700	4.2	80.80%
5825	3.66	77.88%

1.5 VSWR Graph



2.0 Mechanical Drawing







Revision History

v1.0 - Initial Release - 02/12/2019

v2.0 - Updated from IoT Wireless to xGen brand - 27/11/2020

www.xgenrf.com