

2.4GHz FPC Antenna: ANF1H12R2400F101

Application:

WLAN, 802.11b/g, Bluetooth, Zigbee etc...

Features

High reliability, ultra-Impact, Omni-directional...

Part number

ANF 1H12 B 2400 F1 01
(1) (2) (3) (4) (5) (6)

(1) Product Code	FPC Antenna
(2) Size Code	122x12mm
(3) Packing	IN Bulk
(4) Frequency	2400MHz
(5) Series	F1
(6) Type	01



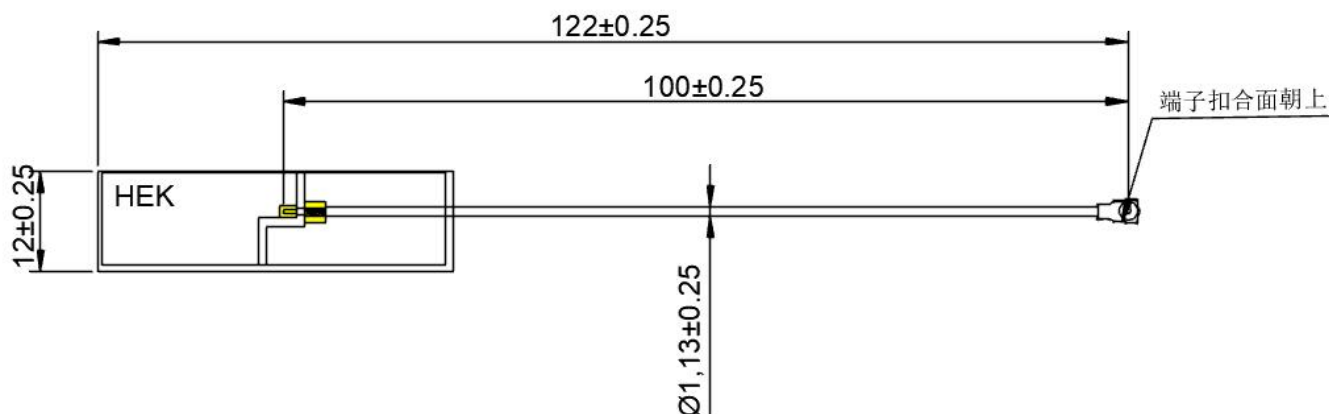
Electrical Specification

Working Frequency Range	2400~2500MHz
Peak Gain	2.26dBi
Impedance	50 Ohm
VSWR	2.0 Max
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(°C)	-30~70°C

The specification is defined on KB1012.

Manufacturer : YAGEO Corporation
Address : 3F, No.233-1, Baoqiao Road, Xindian District, New Taipei City 23145, Taiwan, P.R. China

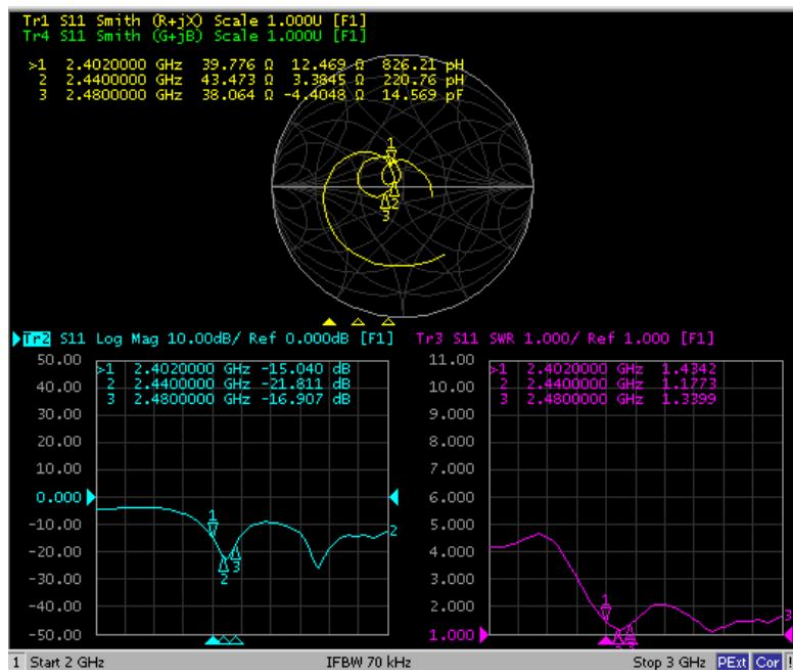
Dimension and Terminal Configuration



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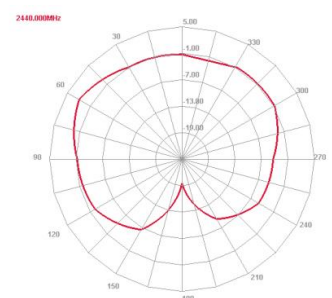
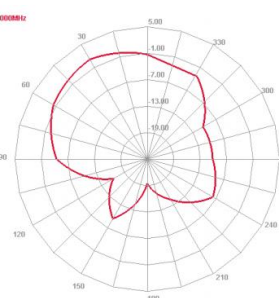
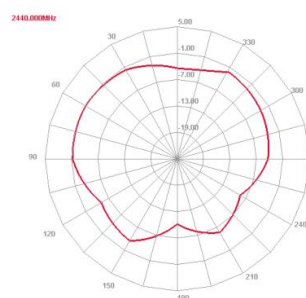
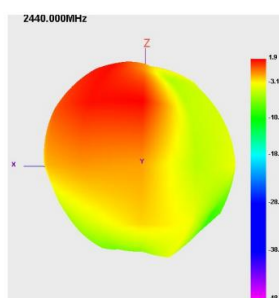
Electrical Characteristics

Return loss & Smith & VSWR



Item	Value		
	2402 (MHz)	2441(MHz)	2480(MHz)
Smith chart	39.77	43.47	38.06
Return loss(dB)	-15.04	-21.81	-16.90
VSWR	1.43	1.17	1.33

Radiation Pattern



Frequency (MHz)	Efficiency (%)	Mean Gain (dBi)	Peak Gain (dBi)
2400	48.84	-3.11	1.59
2410	48.23	-3.17	1.62
2420	48.83	-3.11	1.7
2430	49.24	-3.08	1.85
2440	49.06	-3.09	1.92
2450	50.05	-3.01	2.11
2460	50.37	-2.98	2.18
2470	50.02	-3.01	2.2
2480	50.2	-2.99	2.26

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Revision History

Version	Date	Description
Ver.01	May. 2026	New issue.

May. 2026 Ver.01