

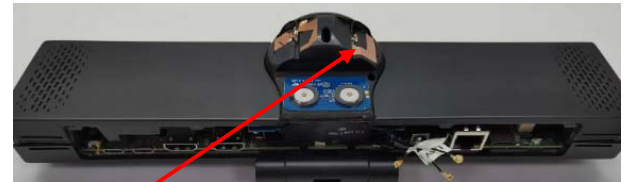
2.4GHz FPC Antenna: ANF16H2B2400F1K1

Application:

WLAN, 802.11.a/b/g/n/ac, Bluetooth, etc...

Features

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



ANT

Part number

ANF 16H2 B 2400 F1 K1
(1) (2) (3) (4) (5) (6)

(1) Product code	ANF
(2) Product size	160*23mm
(3) Packing	IN Bulk
(4) Frequency	2.4GHz
(5) Series	F1
(6) Type	K1



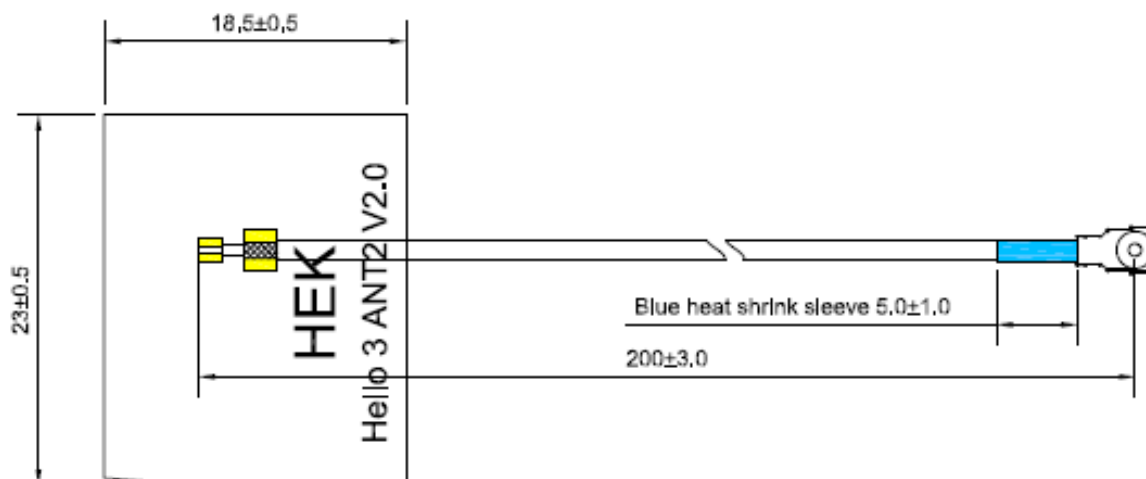
ANT feed

Electrical Specification

Working Frequency Range	2402~2480MHz
Peak Gain	1.34dBi(type)
Impedance	50 Ohm
VSWR	3.0 Max
Polarization	Linear
Azimuth Beam width	Omni-directional
Azimuth Beam width	-30~70°C

Frequency (MHz)	Effi (%)	Peak Gain (dBi)
2400~2500	29.96~32.88	0.8~1.34

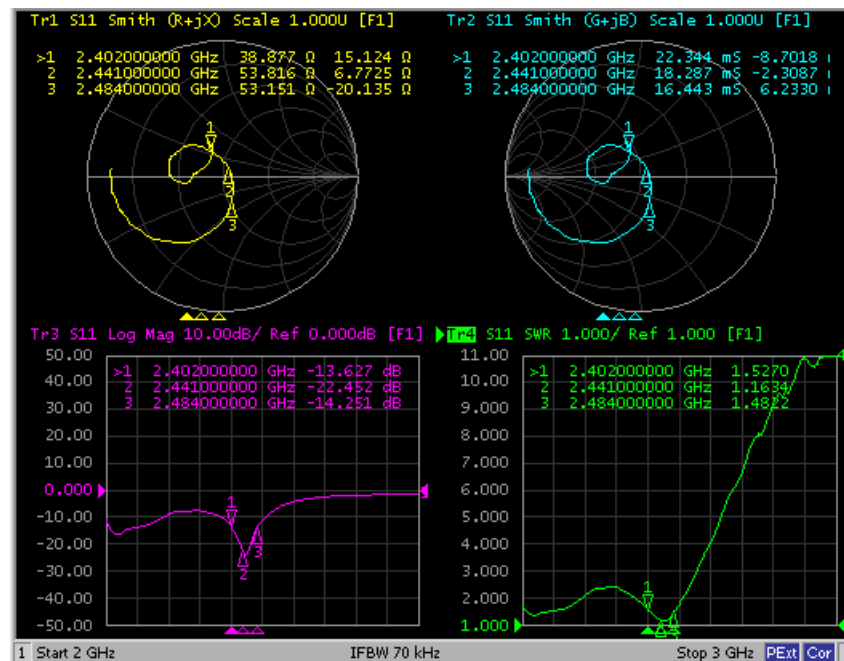
Dimension and Terminal Configuration



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Electrical Characteristics

Antenna S parameter



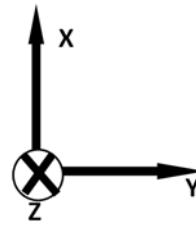
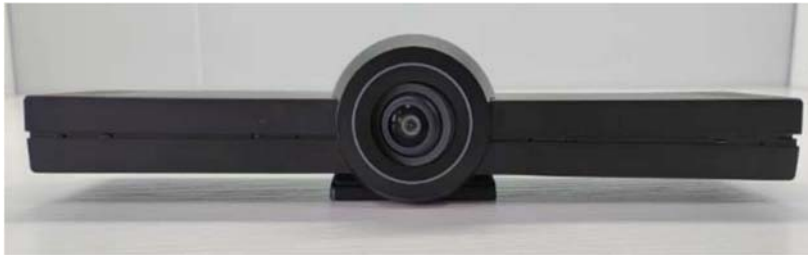
Item_V2	Value		
Frequency(MHz)	2402	2441	2480
Smith(Ω)	38.95	55.21	38.55
Return loss(dB)	-11.38	-18.83	-11.99
VSWR	1.73	1.26	1.67

Antenna Passive parameter

Frequency (MHz)	Efficiency (%)	Mean gain (dBi)	Peak Gain (dBi)
2400	29.96	-5.23	1.07
2420	32.79	-4.84	1.34
2440	32.22	-4.92	1.21
2460	32.08	-4.94	1.12
2480	32.88	-4.83	1.16
2500	30.84	-5.11	0.8

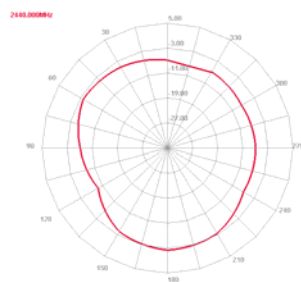
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Radiation Pattern

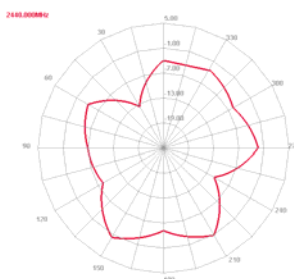


2440MHz

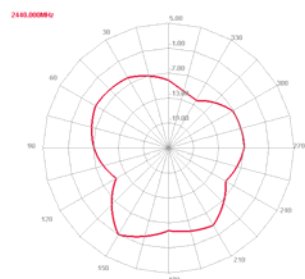
Horizontal



E1 Face

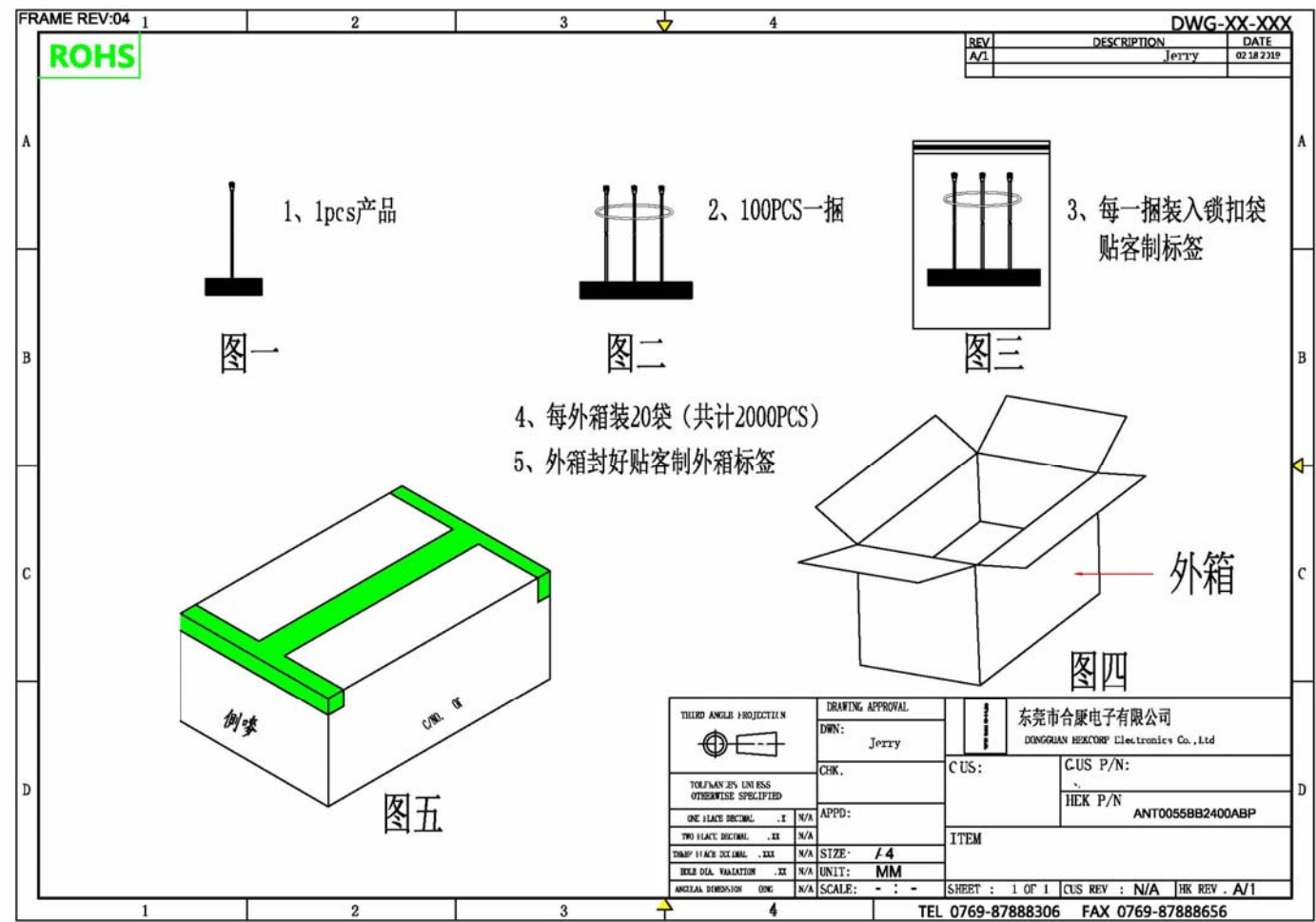


E2 Face



2.4GHz FPC Antenna: ANF16H2B2400F1K1

Packing



Revision History

Version	Date	Description
Ver.01	Sep.2023	New issue.
Ver.02	Nov.2023	Change the red heat shrink tube to the blue heat shrink tube.