

acknowledge ment APPROVAL

Version:

client

:

Name rules

DESCRIPTION:

IPEX1.13 Black-2.4G-5G built-in

material Number

al NO.:

GDT030-00088

PART

Customer material number

CUS PART NO.:

sun

designate

D A

d time

2022. 3-1

T E:

Present the sample signature

engineering ENGINEERING DEPARTMENT	QA Q C DEPARTMENT	vocational work SALES DEPARTMENT
 Liang	Ching Tien	Hu Haixin

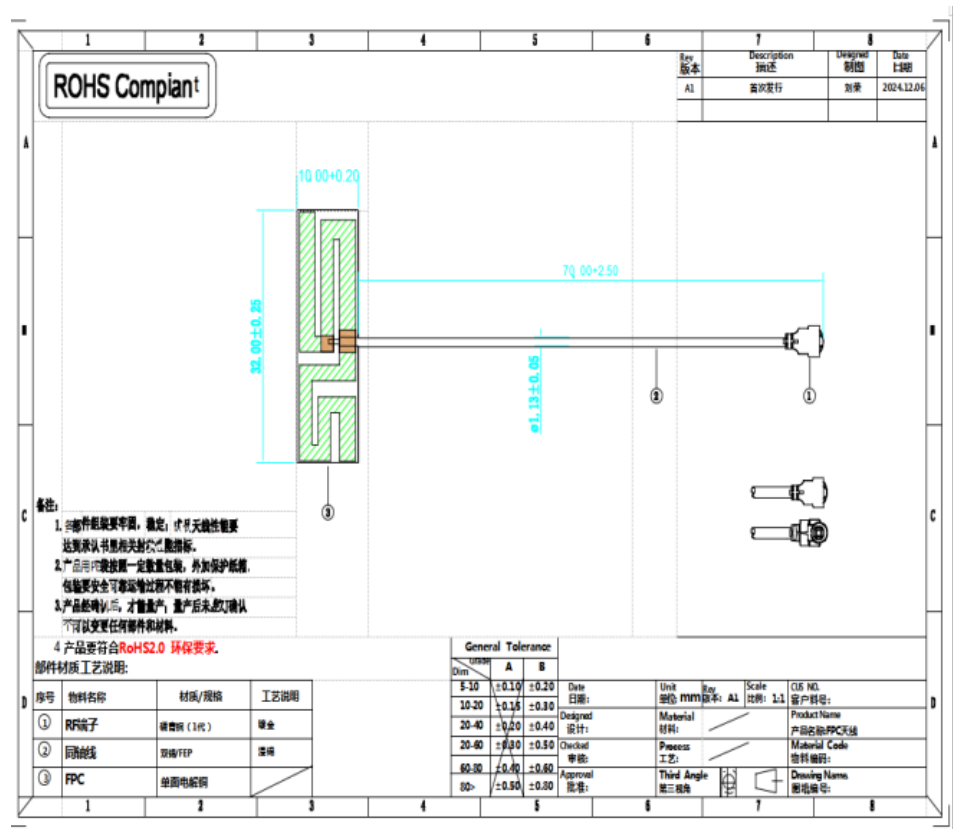
Customer acknowledges signature

engineering ENGINEERING DEPARTMENT	QA Q C DEPARTMENT	purchase PURCHASING DEPARTMENT
Wei Junmian	Chen Lianghui	Wei Yueqiu

Electrical technical parameters

Electrical performance index		Electrical Specifications	
frequency range	2400-2500MHZ	Frequency Range	2400-2500MHZ
voltage standing-wave ratio	≤ 2.0	VSWR	≤ 2.0
gain	3 DBI	GAIN	3 DBI
input impedance	50Ω	Input Impedance	50Ω
Mechanical indicators		Mechanical Specifications	
Antenna color	yellow	Antenna Color	yellow
Interface form	IPEX	Input connector	IPEX
Antenna length	70 mm	Cable length	70 mm
working temperature	-40℃~+85℃	Working Temperature	-40℃~+85℃
Working humidity	20~80%	Working Humidity	20~80%

product picture;



Environmental performance tests:

project	test condition	specifications
Storage environment	In the absence of a specified test temperature, humidity and pressure are as follows: 1. Temperature is -20℃~+85℃ 2. Relative humidity is 45%-85% 3. Pressure is 86 kpa-106 kpa	Electrical mechanical performance is normal
thermocycling	Five cycles were performed between 70℃ and 40℃, followed by normal conditions 1-2H, check the appearance quality.	The size shall meet the requirements and should be Satisfied Mechanical and electrical performance
Resistance to constant humidity and heat	Relative humidity 95±3%, test temperature: 40℃. After 2H of action, The electrical properties of the test specimen shall be measured within 5 minutes after it is removed, and the test specimen shall be normal After 1-2 hours, check the appearance quality	The size shall meet the requirements and should be Satisfied Mechanical and electrical performance
vibration test	Frequency range 10-55 HZ, displacement amplitude: 0.35 MM, acceleration amplitude: 50.0M/S, scan frequency cycle: 20 times	Electrical mechanical performance is normal
fall-down test	The 1M high altitude freely fell five times in the direction of mutually perpendicular axes	Electrical mechanical performance is normal

Network analysis test:

Signal comparison reference:

5200 MHZ; 2.1

5600 MHZ; 1.6

5800 MHZ; 1.7

Test images;

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2440MHz	2500MHz	2400MHz	2440MHz	2500MHz
	1.73	2.84	2.68	2.15	3.00	2.32
MAX. Gain	3					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					

