Sample acceptance

Name of the supplier	Shenzhen Feiyuxin Electronics Co., LTD
Grid type number	OPEN-2.4G FPC Ant1.13 Gray-L150MM
SAP Material coding_	
ERP Material coding	

Acceptance stamp										
Supplie	r ac	cceptance (Sup	plier f	ield)		Customer acceptance				
Engineerin	ng	Quality	арр	roval	R&d rec	cognition	R&d	&d approval Qu		ality confirmation
Li Yongji	е	Chen Yan	Li	HE						
Seal	an	d sign	信息		Se	eal and	sig	n		
	Date 202		2024	4-08-14		Date				
			2	9	Instructi	ons: □a	ccepta	nce □Co	ondi	tional acceptance
		Docume	nt	corr	ect	ion	re	cord		
Version	Version Modify location modify			modify o	ontent	modifi	er	approve	r	Time in Force
AO		/		New drawing						



Specification For Approval

Customer: _	10295
Part name: _	OPEN-2.4G FPC Ant1.13 Gray-L150MM
Part No:	
Customer Par	rt No:

	Customer confirmation	
Confirmation	check	Approver

Manufacturer recognition					
Sales Drafters check Approver					
Luo Yi	Li Yongjie	Zhou Xihua	Li He		

Thank you for giving us the chance to approve samples. If you agree to pass it, please kindly send it back to us.

Shenzhen Feiyuxin Electronics Co., LTD

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http://www.fyxdz.com

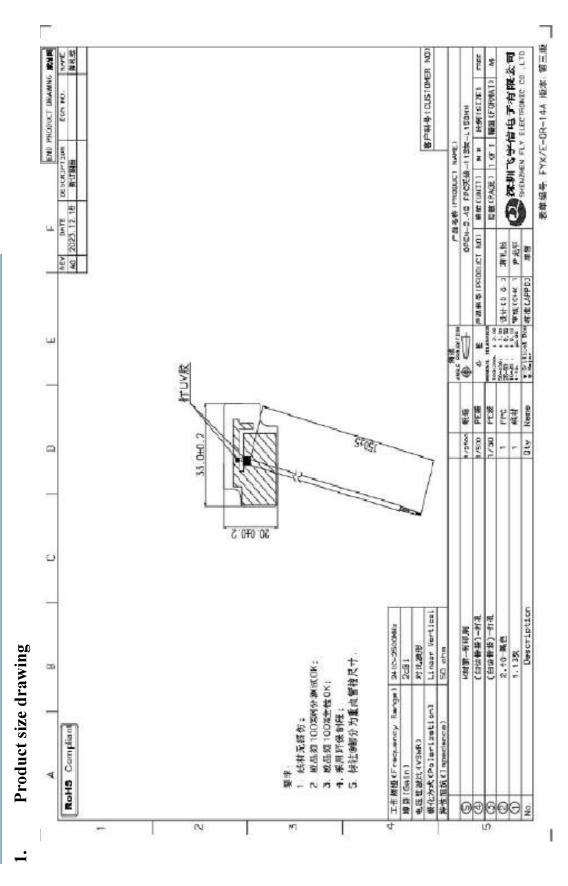


Catalog

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Modification record

Versions	Date	Engineer	Content modification
A0	2024.08.15	Li Yongjie	New Drawing





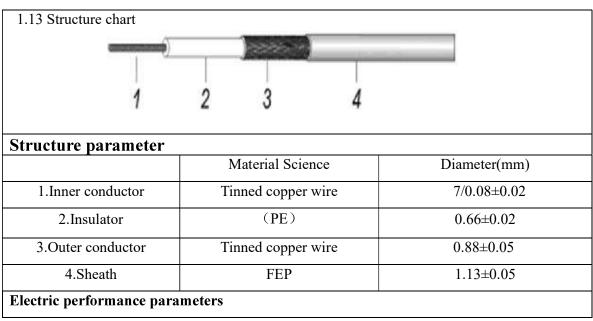
2. Product appearance

Size	L33*20mm	Fixed mode	Paste type
Weight	0.9g	Connector	NA
colour	FPC black	Cable	1.13

3. Antenna performance parameters

Items	Specifications	unit
Center Frequency	2400~2500	MHz
Output impedance	50	Ω
V.S.W.R	Compare the waveform	-
Average Gain	1.87	dBi
Maximum Peak Gain	2.00@2470MHz	dBi
Maximum Efficiency	67.33%@2490MHz	
Polarization mode	Linear polarization	
Radiation direction	omnidirectional	
Maximum input power	5	W
working temperature	-40~+70	°C
Storage temperature	- 45∼+75	°C

4. Cable specification





Capacitance (pF/m)	96±3		
Impimipedance(ohm)	Impimipedance(ohm)		
Rate (%)		66	
Bending radius (mm)		≤7	
Maximum working volta	age	1000	
Maximum operating frequency	(MHz)	6000	
Operating temperature range	e (°C)	-40 ∼ +80	
Attenuation			
(MHz)	(≯dB/m)		
100		0.42	
400		0.58	
1000		2.20	
2000		3.40	
3000		4.20	
4000		4.50	
5000		5.20	
6000		5.60	

5.Environmental experiment

Environmental test report

5.1 High low temperature and constant humidity test

No			Specifications	OPEN-2.4G I	FPC Ant1.13		
				Gray-L	150MM		
Items	High tempera	ature, low ter	nperature and constant	t humidity test	t		
Testing	Alternating constant temp	perature and	number)		
equipment	humidity test char	mber	number	-	3		
Inspection	1. The coating on the m	1. The coating on the metal surface shall be free of peeling, cracking, wrinkling and					
standard	other defects; the non-metal part shall not have discoloration, cracking, deformation,						
	degumming and other phenomena.						
Test name	Test items	requireme			Result		
		nt	test method judgment				
High	Temperature (°C)	75±3	Test procedure: OK				
temperatur	Test sample temperature	1	a) Put the test piece	into the test	OK		



e test	time (H)	2	chamber, and then adjust the	
	Test duration (H)	1	temperature of the high	
	Recovery time (H)		temperature chamber to 75 °C±	
			3 °C, and monitor the time.	
			b) After the test, it was placed at	
			room temperature for 1 hour for	
			routine inspection.	
			Test procedure:	
			a) Put the test piece into the test	
	Temperature (°C)	-40±3	chamber, and then adjust the	
Low	Test sample temperature	1	temperature of the high	
temperatur	time (H)	2	temperature chamber to 75 °C±	OK
e test	Test duration (H)	1	3 °C, and monitor the time.	UK
	Recovery time (H)		b) After the test, it was placed at	
			room temperature for 1 hour for	
			routine inspection	
			a) Put the tested object into the	
	Temperature (°C)	+40±3	test chamber, then adjust the	
Constant	Test sample temperature	90-95	temperature of the test chamber	
		21	to + 40 °C \pm 3 °C, the humidity to	
damp heat test	time (H)	1	90-95%, and monitor the time.	OK
test	Test duration (H)		b) After the test, it was placed at	
	Recovery time (H)		room temperature for 1 hour for	
			routine inspection.	
inspector: G	Guo Guangfeng		ratify: Xie	Zhoujun

5.2 Free fall test

5.2 Free lan	iesi						
No			Specifications	OPEN-2.4G FPC Ant1.13			
NO			Specifications	Gray-L150MM			
Items	Free fall test						
Testing	1m high a	laskton	number	2			
equipment	1m high desktop		number	3			
Inspection	1. The product has no defects such as falling off, cracking, etc. and no deformation						
standard	in appearance when it falls 1 meter high.						
Test name	Items	requirement	test method Result		Result		



				judgment
	1000mm Drop		Test procedure:	
Free fall test	height 1000mm	Drop both	a) Drop the test piece at a height	
		sides twice	of 1000mm, and carry out	OK
			routine inspection after the test.	
inspector: Guo Guangfeng ratify: Xie Zhoujun			e Zhoujun	

5.3 Salt spray test

Inspection 1. The coating on the	ay tester metal surface shall n	number not fall off; the appearance s d other adverse phenomena	
Salt spreading equipment Inspection standard Test name 1. NaCl concentration 2. Air pressure: 3. PH value: 4. spray volume: 5. Salt water test temperature setting	metal surface shall norrosion, oxidation and	not fall off; the appearance s d other adverse phenomena	shall be free of rust Result
Test name 1. NaCl concentration 2. Air pressure: 3. PH value: 4. spray volume: 5. Salt water test temperature setting	errosion, oxidation and	d other adverse phenomena	. Result
Test name 1. NaCl concentration 2. Air pressure: 3. PH value: 4. spray volume: 5. Salt water test temperature setting			Result
1. NaCl concentration 2. Air pressure: 3. PH value: 4. spray volume: 5. Salt water test temperature setting	requirement	t test method	
2. Air pressure: 3. PH value: 4. spray volume: 5. Salt water test temperature setting			1
temperature: b. Pressure tank temperature: 6. Test time:	40-60g/1kg 1.0±0.01kgf 6.5-7.2 1.0-2.0ml/80c/	b) Put the test piec the salt spray tes	spray test ee into sting ours. ee with hally ance of and



6.Product pictures



7. Antenna performance test

