Esse-Link Shenzhen Yu Sheng Communications Electronics co., LTD

TEL：+86 0755-28640107 FAX：+86 755 28694967

WRITTEN ACKNOWLEDGEMENT

APPROVAL

VERSION: A1

CUSTOMER:

DESCRIPTION: 2.4G BUILT-IN FPC ANTENNA 100MM

PART NO.: YS030-0017

CUS PART NO.:

DATE: 2019-7-24

SIGNATURE OF SUBMISSION.

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

THE CLIENT ACKNOWLEDGES THE SIGNATURE:

ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

※ Customer Confirmation Sample Attachment.

Factory Address:3-4F,No.102,Aoxi Road,AuBei Village,Henggang Town,Longgang District,Shenzhen,China.

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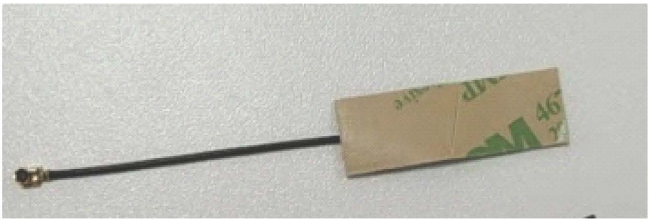
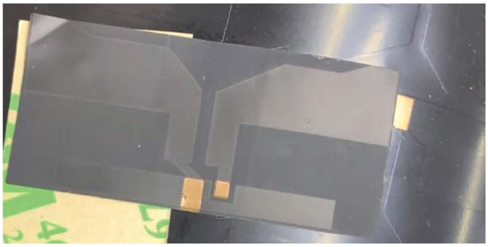
TECHNICAL PARAMETERS OF ELECTRICAL APPLIANCES

Electrical Specifications	
Frequency Range	2400-2500MHZ
VSWR	≤2.0
GAIN	2DBI
Input Impedance	50 Ω
Mechanical Specifications	
Antenna Color	BLACK
Input connector	ipex
Working Temperature	-40℃~+85℃
Working Humidity	20~80%

PRODUCT IMAGES:





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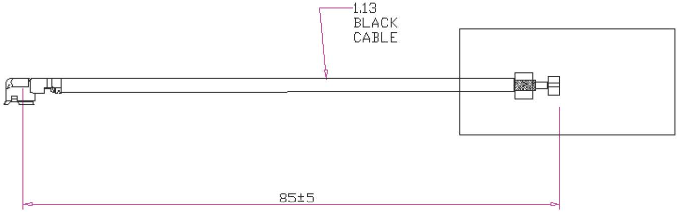
Specification Chart:

RoHS Compliant

REV	DATE	DESCRIPTION	NAME
A1			
A2			



NO.	NAME	Description	Q' TY	Part No.
5				
4				
3	IPEX	20278-113R	1	1101-0001
2	WIRE MATERIAL	1.13 BLACK LINE L=100MM	1	1113-0004
1	fpc	2.4 G	1	1101-0001

GENERAL TOLERANCE	0~1	±0.1
	1~10	±0.3
	11~30	±0.5
	31~100	±0.8
	101~300	±1.0
	301~	±2.0
	ANGULAR	±1°
CHART		

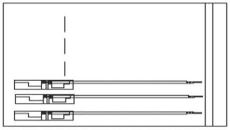
ShenZhen Yu Sheng Communications Electronics co.，LTD

(PRODUCT NAME)	2.4G FPC ANTENNA L100		
(PART NAME)	YS030-0063		
(CUS PART NAME)			
(DRAW) NELR		RELEASES	A1
(CHECK) CHEM		DATES	2019-9-4
(APP.) JERL R		PAGE	1/1

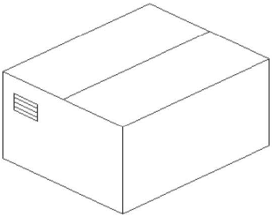
PACKING DIAGRAM

RoHS Compliant

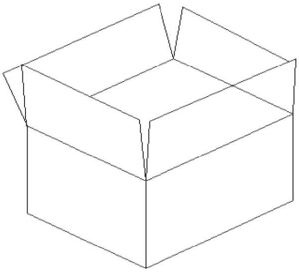
REV	DATE	DESCRIPTION	NAME
A1			
A2			



500PCS/1BAG



5000PCS/1 CASE PER CASE WITH PRODUCT LABELING



ShenZhen Yu Sheng Communications Electronics co., LTD

(PRODUCT NAME)	FFC ANTENNA PACKING DIAGRAM		
(PART NAME)			
(CUS PART NAME)			
(DRAW) NELR		RELEASES	A1
(CHECK) CHEM		DATES	2018-8-8
(APP.) JERL R		PAGE	1/2

GENERAL TOLERANCE	0~1	±0.1
	1~10	±0.3
	11~30	±0.5
	31~100	±0.8
	101~300	±1.0
	301~	±2.0
	ANGULAR	±1°
CHART		

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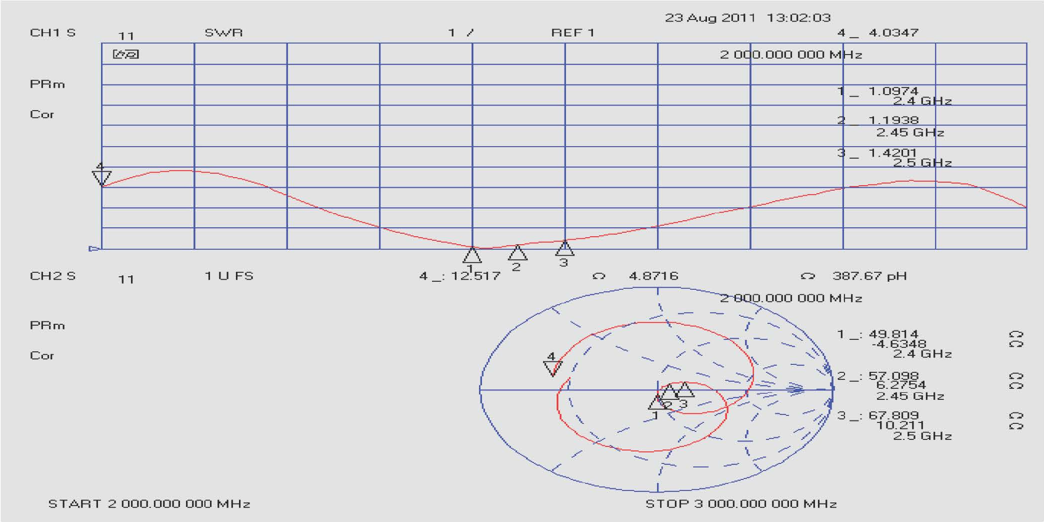
Environmental performance testing:

SPORTS EVENT	TEST CONDITION	NORM
STORAGE ENVIRONMENT	TEST TEMPERATURE, HUMIDITY, AND BAROMETRIC PRESSURE WITHOUT SPECIFYING AS FOLLOWS: 1. TEMPERATURE -30°C TO +80°C 2. RELATIVE HUMIDITY OF 45%-85% 3. AIR PRESSURE 86KPA-106KPA	NORMAL ELECTRICAL AND MECHANICAL PROPERTIES
HIGH AND LOW TEMPERATURE TEST	5 CYCLES BETWEEN 70°C AND 40°C, THEN UNDER NORMAL CONDITIONS 1-2H, CHECK THE QUALITY OF APPEARANCE.	THE DIMENSIONS SHALL MEET THE REGULATIONS AND SHALL MEET THE MECHANICAL AND ELECTRICAL PROPERTIES
RESISTANT TO CONSTANT HUMIDITY AND HEAT	RELATIVE HUMIDITY 95±3%, TEST TEMPERATURE: 40℃. AFTER CONTINUOUS 2H ACTION. AFTER THE TEST SPECIMEN IS TAKEN OUT, THE ELECTRICAL PERFORMANCE IS MEASURED WITHIN 5MIN, AND THE	THE DIMENSIONS SHALL MEET THE REGULATIONS AND SHALL MEET THE

EXPERIMENTAL	SPECIMEN IS IN NORMAL CONDITION. PIECES UNDER 1-2H, CHECK APPEARANCE QUALITY	MECHANICAL AND ELECTRICAL PROPERTIES
VIBRATION TEST	VIBRATION FREQUENCY RANGE 10-55HZ, DISPLACEMENT AMPLITUDE: 0.35MM, ACCELERATION AMPLITUDE: 50.0M/S, SWEEP CYCLE TIMES: 30 TIMES	NORMAL ELECTRICAL AND MECHANICAL PROPERTIES
DROP TEST	3 FREE FALLS ON MUTUALLY PERPENDICULAR AXES AT A HEIGHT OF 1M.	NORMAL ELECTRICAL AND MECHANICAL PROPERTIES

Sample Testing:


23 Aug 2011 13:02:03
CH1 S 11 SWR 1 / REF 1 4 _ 4.0347
2 000.000 000 MHz
PRm
Cor
1 _ 1.0974 2.4 GHz
2 _ 1.1938 2.45 GHz
3 _ 1.4201 2.5 GHz
4
1
2
3
CH2 S 11 1 U FS 4 _: 12.517 Ω 4.8716 Ω 387.67 pH
2 000.000 000 MHz
PRm
Cor
1 _: 49.814 Ω -4.6348 Ω 2.4 GHz
2 _: 57.098 Ω 6.2754 Ω 2.45 GHz
3 _: 67.809 Ω 10.211 Ω 2.5 GHz
START 2 000.000 000 MHz
STOP 3 000.000 000 MHz