



SPECIFICATION

APPLICATION FOR APPROVAL

客户

Customer name

深圳美高电子设备有限公司

客户料號

Part No.

M05.08.F8BAC001

电声料號

ICT P/N

LZZRF038-DT-H

规格

Description

F8BAC WiFi Main Antenna

日期

Date

2024/12/24

客戶承認

CUSTOMER APPROVED

射频工程师	结构工程师	研发经理	产品经理

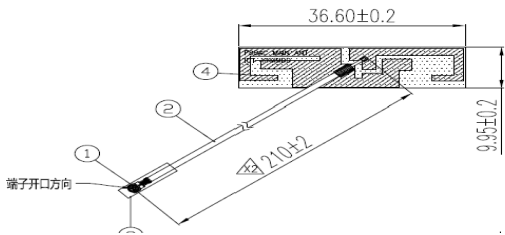
承辦	審核		核定
	射频工程师	结构工程师	
	李时森	韦鸿锐	吴明庭

FM-RD-11A

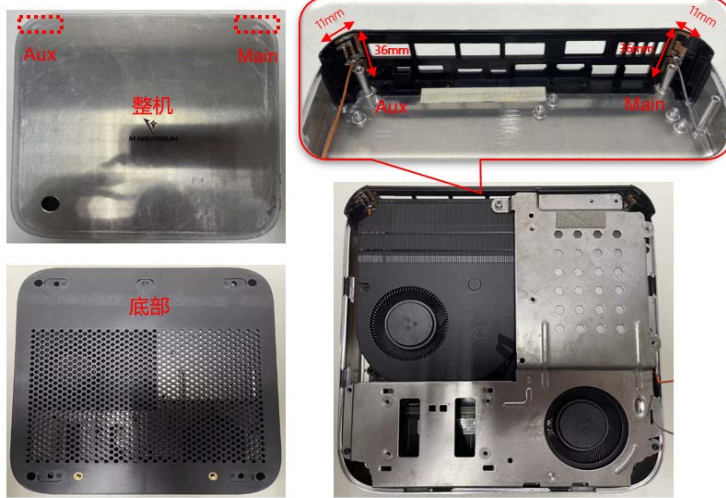
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天线基本参数(The Basic Parameters)

项目 (Item)	特性 (Specifications)
天线结构组成	FPC+CABLE
频率 (Frequency)	2.4~2.5/5.15~5.85/5.925~7.125GHz
驻波比 (V. S. W. R)	<3
增益 (Gain)	<10
极化方式 (Polarization)	线极化
特性阻抗 (Impedance)	50Q
塑胶材质 (Plastic material)	无
接头形式 (joint type)	4 代端子+Cable
工作温度 (Operation temperature)	-40° C to 85° C
储存温度 (Storage temperature)	-40° C to 85° C
湿度 (humidity)	Non-condensing 65° C 95% RH
天线图片 	

电气测试报告 (RF Performance Test Report) 天线组装位置 (图片仅供参考天线组装位置)



Antenna VSWR



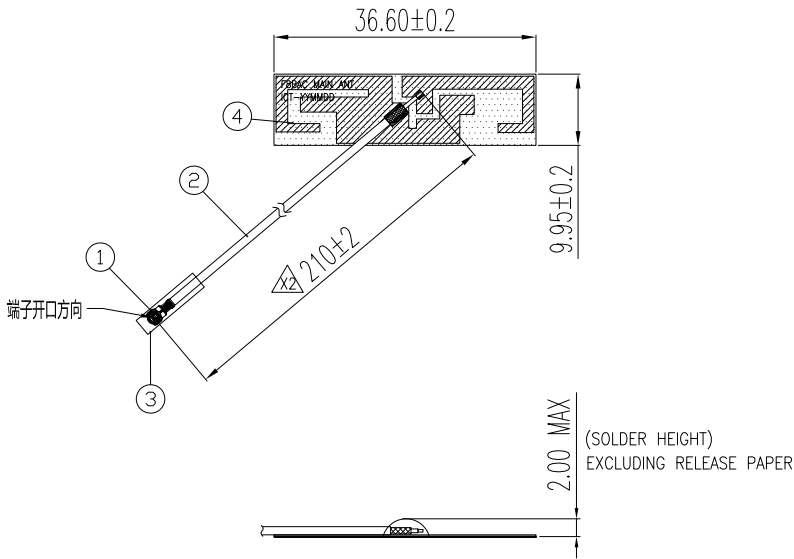
无源测试数据

Main Ant			
Fre. (MHz)	Efficiency (dB)	Peak Gain (dBi)	Efficiency (%)
2400	-4.06	0.96	39.26
2450	-3.98	0.32	39.99
2500	-3.79	0.86	41.78
5150	-4.28	0.64	37.35
5250	-4.07	0.89	39.21
5350	-3.66	1.66	43.08
5470	-2.77	3.28	52.85
5600	-2.64	2.84	54.48
5725	-2.80	2.54	52.49
5785	-2.64	3.08	54.40
5800	-2.56	3.25	55.45
5850	-2.73	3.23	53.32
5925	-2.62	3.51	54.71
6025	-2.97	3.35	50.43
6125	-2.80	2.33	52.51
6225	-2.50	3.06	56.20
6325	-3.01	3.28	50.01
6425	-3.17	3.03	48.22
6525	-4.01	0.35	39.73
6625	-3.33	1.57	46.42
6725	-3.83	1.52	41.38
6825	-4.08	1.15	39.12
6925	-4.18	1.20	38.21
7025	-3.90	1.31	40.78
7125	-4.37	1.03	36.58

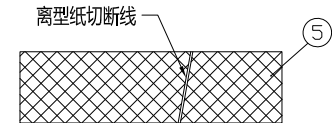
REV	DESCRIPTION	DESIGN	DATE
X1	NEW DRAWING	DAVI	2024.12.18
X2	MODIFY DIMENSIONS	DAVI	2024.12.24

RoHS + HF

前視圖說明



側視圖說明

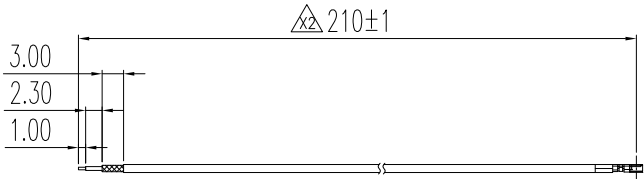


後視圖說明

Note:

- 标注 “*” 为重点检查尺寸
- 焊点光滑,无假焊,无锡尖
- 本产品使用物料及制程必须符合:"QW-Q-043"文件对应环境物质相关规定
- 此產品及其附屬包裝材料的均質成份須滿足無鹵管制要求:
Br<900ppm,Cl<900ppm ,Br+Cl<1500ppm

建議裁線尺寸



5	---	ADHESIVE	DOUBLE SIDED SELF-ADHESIVE TAPE, 3M467, T=0.05MM	1	TOLERANCE(UNLESS SPECIFIED)	CUSTOMER P/N: M05.08.F8BAC001	LUXSHARE-ICT
4	---	FPC	PI+ADH+ED CU(1-LAYER)	1	*X ±0.5		
3	---	TRANSPARENT TUBE	L=16MM	1	*X.X ±0.25		
2	---	CABLE	FEP DIA. 1.13MM SINGLE ENDED COAXIAL LOW LOSS CABLE (COLOR: BLACK)	1	*X.XX ±0.10		
1	---	CONNECTOR	I-PEX(20565-001R-13) OR ST C87P115-00002-H OR EQU	1	*X.XXX ±0.05	APPD: ANDERSON	TITLE: F8BAC WIFI1 MAIN ANT_ASM
					UNITS: mm	CHKD: DAVI	PART NO: LZZRF038-DT-H
					THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF LUXSHARE-ICT AND SHALL NOT BE REPRODUCED, COPIED OR QUOTED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF LUXSHARE-ICT.	DRAW: DAVI	SCALE SHEET SIZE REV
ITEM	PART NO	NAME	DESCRIPTION	Q'TY			1:1 1/1 A4 X2