



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.F8BAC002

电声料號

ICT P/N

LZZRF039-DT-H

规格

Description

F8BAC WiFi Aux 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

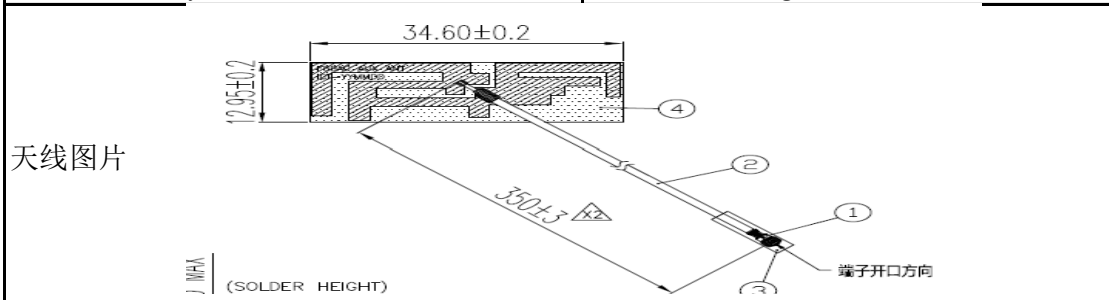
FM-RD-11A

目 录(index)

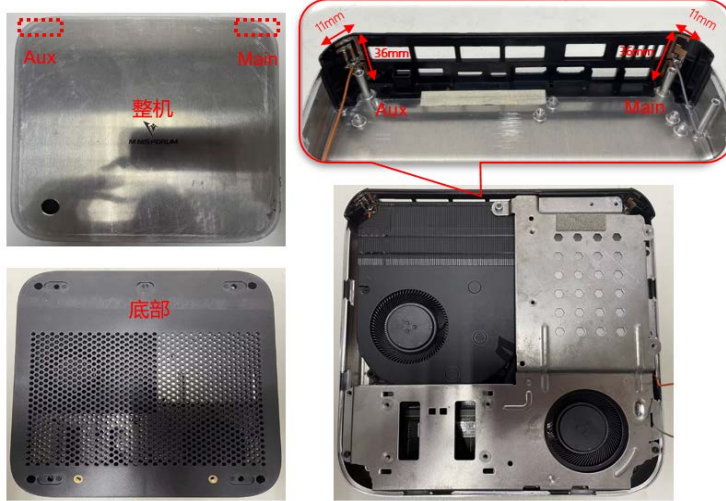
Item	页次
1	封面 (cover)
2	目录 (index)
3	天线基本参数 (The Basic Parameters
4	电气测试报告 (RF Performance Test Report)
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7	可靠性测试报告 (Reliability test report)

天线基本参数(The Basic Parameters)

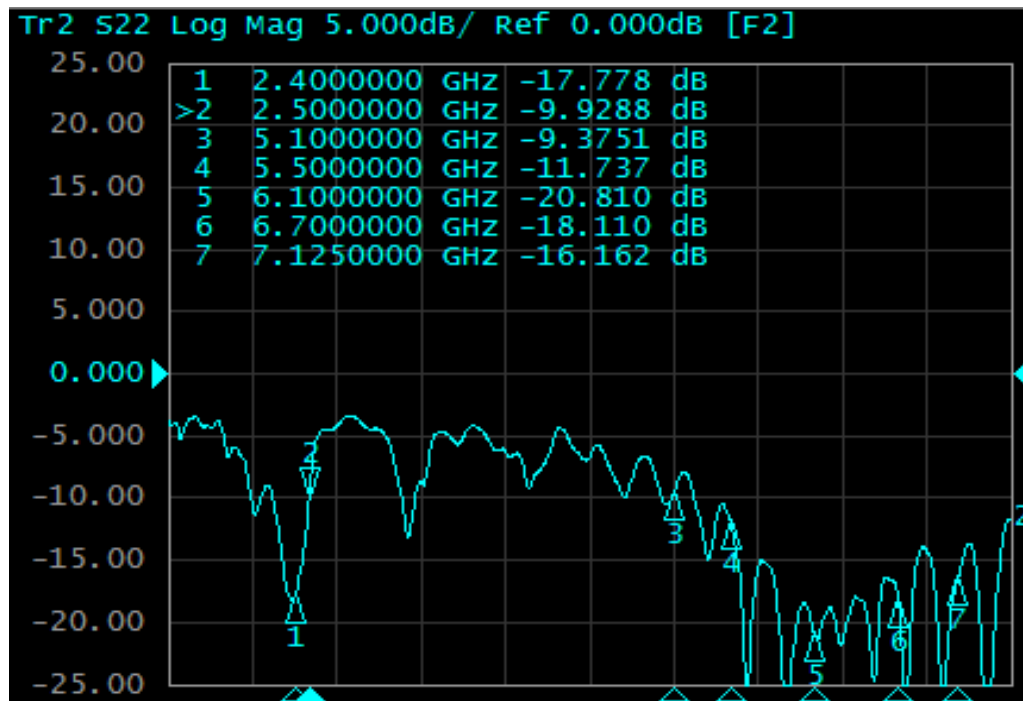
项目 (Item)	特性 (Specifications)
天线结构组成	FPC+CABLE
频率 (Frequency)	2.4~2.5/5.15~5.85/5.925~7.125GHz
驻波比 (V. S. W. R)	<3
增益 (Gain)	<10
极化方式 (Polarization)	线极化
特性阻抗 (Impedance)	50Q
塑胶材质 (Plastic material)	无
接头形式 (joint type)	4 代端子+Cable
工作温度 (Operation temperature)	-40° C to 85° C
储存温度 (Storage temperature)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



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	-4.20	-0.58	38.02
2450	-3.60	-0.65	43.65
2500	-4.09	-0.50	38.99
5150	-4.11	1.22	38.78
5250	-3.83	0.81	41.43
5350	-3.39	1.32	45.86
5470	-3.44	2.37	45.31
5600	-2.59	3.93	55.13
5725	-2.90	3.56	51.29
5785	-2.80	3.40	52.50
5800	-3.49	1.91	44.74
5850	-3.24	2.42	47.43
5925	-2.94	2.91	50.82
6025	-2.69	3.52	53.85
6125	-2.88	3.34	51.56
6225	-2.99	2.81	50.28
6325	-2.84	3.10	51.98
6425	-2.69	3.33	53.86
6525	-3.88	1.96	40.97
6625	-3.87	2.00	41.02
6725	-3.83	1.85	41.38
6825	-4.27	1.36	37.42
6925	-4.37	1.03	36.58
7025	-4.25	0.58	37.56
7125	-4.07	0.80	39.19

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

34.60±0.2

12.95±0.2

999C 60X 2X

350±3 X2

2.00 MAX (SOLDER HEIGHT) EXCLUDING RELEASE PAPER

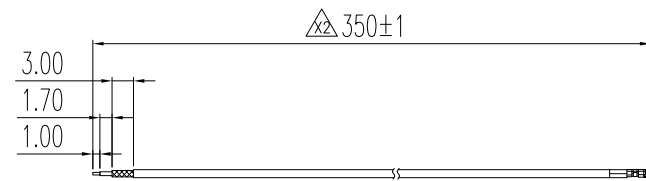
1.00 MAX

1 2 3 4

端子开口方向

2.00 MAX
(SOLDER HEIGHT)
EXCLUDING RELEASE PAPER

1. 标注 “*” 为重点检查尺寸
2. 焊点光滑, 无假焊, 无锡尖
3. 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
4. 此产品及其附属包装材料的均质成份须满足无卤管制要求:
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) *X ±0.5 *X.X ±0.25 *X.XX ±0.10 *X.XXX ±0.05 UNITS: mm THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF LUXSHARE-ICT AND SHALL NOT BE REPRODUCED, COPIED OR QUED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF LUXSHARE-ICT.	CUSTOMER P/N: M05.08.F8BAC002	LUXSHARE-ICT			
4	---	FPC	PI+ADH+ED CU(1-LAYER)	1						
3	---	TRANSPARENT TUBE	L=16MM	1						
2	---	CABLE	FEP DIA. 1.13MM SINGLE ENDED COAXIAL LOW LOSS CABLE (COLOR: GRAY)	1						
1	---	CONNECTOR	I-PEX(20565-001R-13) OR ST C87P115-00002-H OR EQU	1						
ITEM	PART NO	NAME	DESCRIPTION	Q'TY	DRAW: DAVI		SCALE 1:1	SHEET 1/1	SIZE A4	REV X2