

☒ 新规

☐ 更新

Technical Specifications

Product Name: Built-in antenna

Product Model: Built-in antenna \WA-F-LB-03-188\200mm\gray \ROH

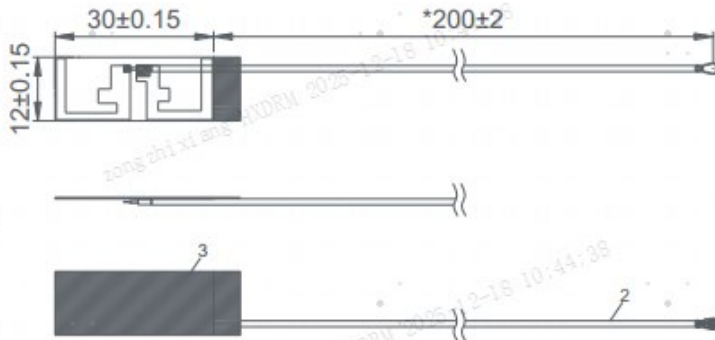
Material Number: 1411912

Author	Reviewer	Approved	Date
Wang Haitao	Chen Hao	Zheng Yanjie	2024.12.04

Qingdao Intelligent&Precise Electronics Co.,Ltd

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Revision	Engineering Change Description	Date	Owner
AD	发行正式	2024/12/03	Maxine



技术要求:

1. 产品符合RoHS2.0+HF+TSCA+REACH要求, 符合禾邦《I-WI-21-01 HSF技术规范》的要求。

2. 球标尺寸为FAI管控尺寸; #号为CPK管控尺寸; *号重点尺寸; REF.为参考尺寸

1	CHC	PEX 2018-10-10	1
2	CABLE	1.120816 Grey	1
3	FFC	FFC 4.000 CSP	1
SELECT			
SPC CLASS	A	B	C
< 0.05	0.05	0.1	0.1
0-0.05	0.05	0.15	0.3
0.05-0.1	0.1	0.2	0.3
0.1-0.15	0.15	0.3	0.5
0.15-0.2	0.2	0.4	0.5
0.2-0.3	0.3	0.5	0.5
0.3-0.5	0.5	0.5	0.5
0.5-1.0	1.0	0.5	0.5
1.0-1.5	1.5	0.5	0.5
1.5-2.0	2.0	0.5	0.5
2.0-3.0	3.0	0.5	0.5
3.0-4.0	4.0	0.5	0.5
4.0-5.0	5.0	0.5	0.5
5.0-6.0	6.0	0.5	0.5
6.0-7.0	7.0	0.5	0.5
7.0-8.0	8.0	0.5	0.5
8.0-9.0	9.0	0.5	0.5
9.0-10.0	10.0	0.5	0.5
10.0-11.0	11.0	0.5	0.5
11.0-12.0	12.0	0.5	0.5
12.0-13.0	13.0	0.5	0.5
13.0-14.0	14.0	0.5	0.5
14.0-15.0	15.0	0.5	0.5
15.0-16.0	16.0	0.5	0.5
16.0-17.0	17.0	0.5	0.5
17.0-18.0	18.0	0.5	0.5
18.0-19.0	19.0	0.5	0.5
19.0-20.0	20.0	0.5	0.5
20.0-21.0	21.0	0.5	0.5
21.0-22.0	22.0	0.5	0.5
22.0-23.0	23.0	0.5	0.5
23.0-24.0	24.0	0.5	0.5
24.0-25.0	25.0	0.5	0.5
25.0-26.0	26.0	0.5	0.5
26.0-27.0	27.0	0.5	0.5
27.0-28.0	28.0	0.5	0.5
28.0-29.0	29.0	0.5	0.5
29.0-30.0	30.0	0.5	0.5
30.0-31.0	31.0	0.5	0.5
31.0-32.0	32.0	0.5	0.5
32.0-33.0	33.0	0.5	0.5
33.0-34.0	34.0	0.5	0.5
34.0-35.0	35.0	0.5	0.5
35.0-36.0	36.0	0.5	0.5
36.0-37.0	37.0	0.5	0.5
37.0-38.0	38.0	0.5	0.5
38.0-39.0	39.0	0.5	0.5
39.0-40.0	40.0	0.5	0.5
40.0-41.0	41.0	0.5	0.5
41.0-42.0	42.0	0.5	0.5
42.0-43.0	43.0	0.5	0.5
43.0-44.0	44.0	0.5	0.5
44.0-45.0	45.0	0.5	0.5
45.0-46.0	46.0	0.5	0.5
46.0-47.0	47.0	0.5	0.5
47.0-48.0	48.0	0.5	0.5
48.0-49.0	49.0	0.5	0.5
49.0-50.0	50.0	0.5	0.5
50.0-51.0	51.0	0.5	0.5
51.0-52.0	52.0	0.5	0.5
52.0-53.0	53.0	0.5	0.5
53.0-54.0	54.0	0.5	0.5
54.0-55.0	55.0	0.5	0.5
55.0-56.0	56.0	0.5	0.5
56.0-57.0	57.0	0.5	0.5
57.0-58.0	58.0	0.5	0.5
58.0-59.0	59.0	0.5	0.5
59.0-60.0	60.0	0.5	0.5
60.0-61.0	61.0	0.5	0.5
61.0-62.0	62.0	0.5	0.5
62.0-63.0	63.0	0.5	0.5
63.0-64.0	64.0	0.5	0.5
64.0-65.0	65.0	0.5	0.5
65.0-66.0	66.0	0.5	0.5
66.0-67.0	67.0	0.5	0.5
67.0-68.0	68.0	0.5	0.5
68.0-69.0	69.0	0.5	0.5
69.0-70.0	70.0	0.5	0.5
70.0-71.0	71.0	0.5	0.5
71.0-72.0	72.0	0.5	0.5
72.0-73.0	73.0	0.5	0.5
73.0-74.0	74.0	0.5	0.5
74.0-75.0	75.0	0.5	0.5
75.0-76.0	76.0	0.5	0.5
76.0-77.0	77.0	0.5	0.5
77.0-78.0	78.0	0.5	0.5
78.0-79.0	79.0	0.5	0.5
79.0-80.0	80.0	0.5	0.5
80.0-81.0	81.0	0.5	0.5
81.0-82.0	82.0	0.5	0.5
82.0-83.0	83.0	0.5	0.5
83.0-84.0	84.0	0.5	0.5
84.0-85.0	85.0	0.5	0.5
85.0-86.0	86.0	0.5	0.5
86.0-87.0	87.0	0.5	0.5
87.0-88.0	88.0	0.5	0.5
88.0-89.0	89.0	0.5	0.5
89.0-90.0	90.0	0.5	0.5
90.0-91.0	91.0	0.5	0.5
91.0-92.0	92.0	0.5	0.5
92.0-93.0	93.0	0.5	0.5
93.0-94.0	94.0	0.5	0.5
94.0-95.0	95.0	0.5	0.5
95.0-96.0	96.0	0.5	0.5
96.0-97.0	97.0	0.5	0.5
97.0-98.0	98.0	0.5	0.5
98.0-99.0	99.0	0.5	0.5
99.0-100.0	100.0	0.5	0.5

RoHS 2.0 要求:
铅, Cd
汞, Hg
铬, Pb
六价铬, Cr (VI)
多溴联苯, PBBs
多溴二苯醚, PBDEs
邻苯二甲酸二(2-乙基己基)酯
邻苯二甲酸甲氧基丁酯
邻苯二甲酸二丁酯
邻苯二甲酸二异丁酯
管控标准: 参照《I-WI-21-01 HSF技术规范》
HSF要求:
BR
CL
BR+CL
管控标准: 参照《I-WI-21-01 HSF技术规范》
TSCA
管控标准: 参照《I-WI-21-01 HSF技术规范》

禾邦电子(苏州)有限公司
INPAQ Technology Co., Ltd.

WA-F-LB-03-188

PART No.: 100 DWG. No.: 4444
UNIT: MM SCALE: 1:1 SHEET 1 of 1

Qingdao Intelligent&Precise Electronics Co.,Ltd	Material Code	1411836
Built-in antenna\WA-F-LB-03-188\200mm\Gray\ROH	Version	
	V1.00	

5. Requirements for performance metrics

5.1 Key Performance Indicator Requirements

No.	project	specification	
1	Band	2400-2500MHz/ 5150-5850 MHz	
2	directionality	Omnidirectional antennas	
3	Enter impedance	50 Ohm Nominal	
4	Return loss	-10dB	MAX
5	VSWR	2	MAX
6	Polarization method	Linear polarization	
7	gain	2.0dBi	Horizontal plane gain with cable test
8	efficiency	≧40%	
9	Input power	1W	MAX

