

Antenna Datasheet

Product OC: YFBC001WWA

Version: 1.0

Date: 2024-04-17

Status: Preliminary

Product Name: WIFI SMT Mount Ceramic Chip Loop Antenna

Key Features:

Frequency band: 2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz

Peak efficiency: 70.66 %

Dimensions: 1.6 × 0.8 × 0.4 mm

RoHS and REACH Compliant

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Electrical	
Frequency Range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Impedance	50 Ω
Polarization	Linear
Radiation Pattern	Omni-directional

1	频率 (MHz)	效率 (%)	效率 (dB)	Gain (dBi)	
2	2400	16.62	-7.79	-1.96	
3	2410	18.77	-7.26	-1.43	
4	2420	21.06	-6.77	-0.89	
5	2430	23.28	-6.33	-0.49	
6	2440	25.54	-5.93	-0.17	
7	2450	27.46	-5.61	0.13	
8	2460	29.07	-5.36	0.25	
9	2470	30.26	-5.19	0.37	
10	2480	30.94	-5.09	0.41	
11	2490	30.81	-5.11	0.30	
12	2500	30.15	-5.21	0.13	
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14	5150	27.72	-5.57	0.74	
15	5170	27.08	-5.67	0.43	
16	5190	26.43	-5.78	0.22	
17	5210	26.09	-5.83	0.03	
18	5230	25.01	-6.02	-0.13	
19	5250	23.75	-6.24	-0.70	
20	5270	22.6	-6.46	-0.95	
21	5290	20.81	-6.82	-1.37	
22	5310	18.41	-7.35	-2.16	
23	5330	17.43	-7.59	-2.31	
24	5350	17.06	-7.68	-2.66	
25	5370	16.87	-7.73	-2.76	
26	5390	16.77	-7.75	-2.55	
27	5410	16.72	-7.77	-2.58	
28	5430	15.22	-8.17	-2.84	
29	5450	14.32	-8.44	-2.77	
30	5470	15.27	-8.16	-2.24	
31	5490	16.83	-7.74	-1.67	
32	5510	17.27	-7.63	-1.36	
33	5530	18.36	-7.36	-1.10	
34	5550	19.49	-7.1	-0.89	
35	5570	18.62	-7.3	-1.18	
36	5590	19.14	-7.18	-1.04	
37	5610	22	-6.58	-0.40	
38	5630	24.63	-6.09	0.05	
39	5650	24.61	-6.09	0.05	
40	5670	26.07	-5.84	0.26	
41	5690	28.45	-5.46	0.37	
42	5710	29.57	-5.29	0.52	
43	5730	31.04	-5.08	0.39	
44	5750	33.17	-4.79	0.63	
45	5770	33.29	-4.78	0.53	
46	5790	33.91	-4.7	0.40	
47	5810	35.88	-4.45	0.58	
48	5830	38.7	-4.12	0.95	
49	5850	39.34	-4.05	1.26	
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