

SPECIFICATION

Shenzhen Guandetong Electronic Limited



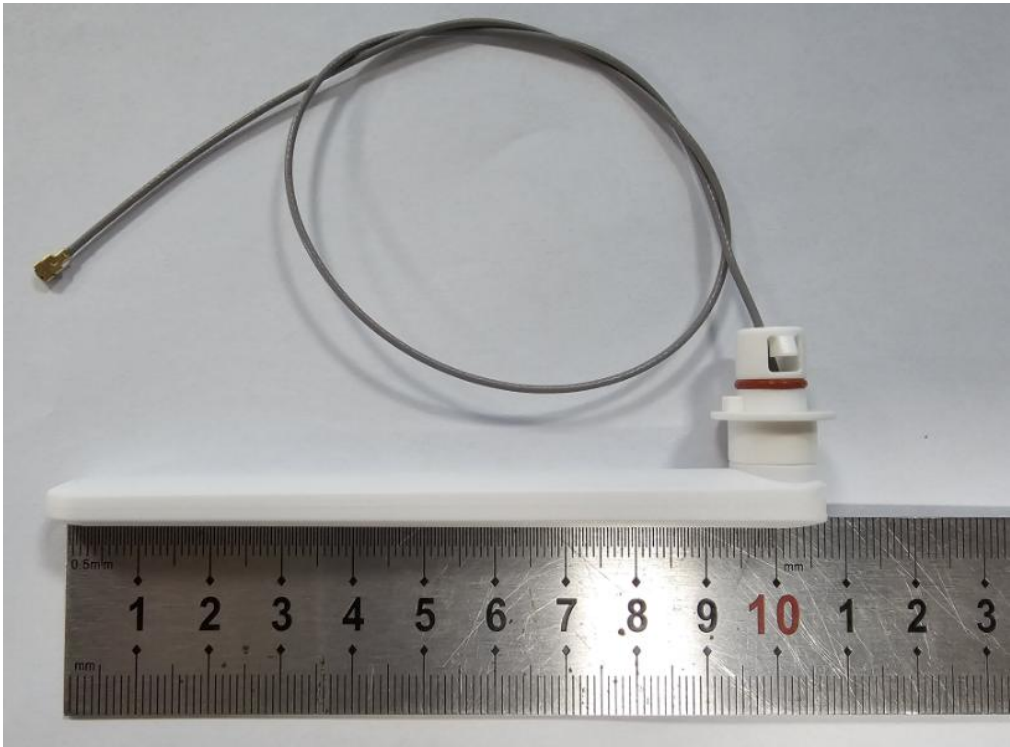
深圳市冠得通电子有限公司

Shenzhen Guandetong Electronic Co., Ltd.

天线;Q28;2,4G/5.8G 白色扁形天线;带 wifi 标;带天线扣;线
长 100MM

Antenna Q28; 2, 4g /5.8G white flat antenna; With
wifi label; With antenna buckle; The wire length
is 100MM

一、产品图片 / Product picture



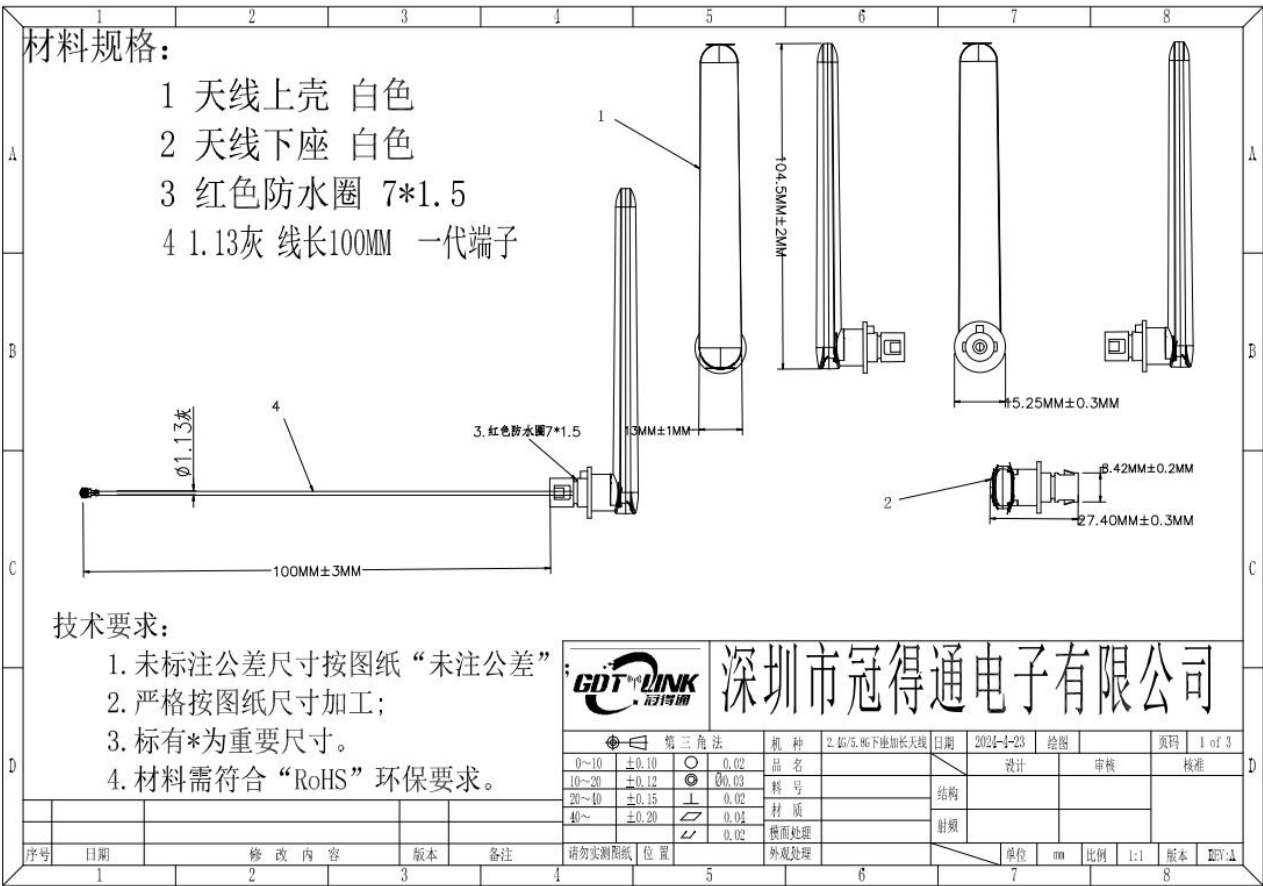
二、产品参数 / Product parameters

产品测试参数			
产品名称(Name)		2.4G/5.8G 天线	产品型号(Model Type)
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frenquency Range)		2400MHz-2500MHz 5000MHZ-5800MHZ	极化方式 (Polarization)
输入阻抗(Impedance)		50 Ω	辐射方向
驻波比 (VSWR)		≦2.0	功率容量(Power)
增益(Gain)	2.4G: 1.34dBi; 5.2G: 2.44dBi; 5.8G: 3.73dBi;	带宽 (Bandwidth)	100MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)		104.5MM-+0.3mm	外壳颜色(Radome Color)
连接器型号 (Connector)		IPEX 一代端子	引线长度(Cable Length)
外壳材料 Radome Material		ABS	线材
工作温度 (Working Temperature)		-40℃-+85℃	存放温度 (Limit Temperature)

三、VSWR 、Return loss 、Smith



四、产品结构图 / Product structure diagram



五、天线增益和效率 / Antenna gain and efficiency

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	-0.45	4.37	33.0%	-4.82	-0.45	90	225	-95.99	0	0	-4.56	95.54	4.11	-91.43
2	2410.0	2410.00	-0.45	4.34	33.1%	-4.80	-0.45	90	225	-95.99	0	0	-4.29	95.54	3.84	-91.70
3	2420.0	2420.00	0.12	4.62	35.4%	-4.50	0.12	135	15	-95.99	0	0	-3.74	96.11	3.86	-92.25
4	2430.0	2430.00	0.76	4.81	39.4%	-4.05	0.76	135	15	-95.99	0	0	-3.15	96.75	3.91	-92.84
5	2440.0	2440.00	0.54	4.90	36.6%	-4.36	0.54	75	180	-95.99	0	0	-3.54	96.53	4.07	-92.45
6	2450.0	2450.00	0.65	4.96	37.0%	-4.31	0.65	75	180	-95.99	0	0	-3.52	96.64	4.17	-92.47
7	2460.0	2460.00	0.96	5.03	39.2%	-4.07	0.96	75	180	-95.99	0	0	-3.30	96.95	4.27	-92.69
8	2470.0	2470.00	1.00	4.91	40.7%	-3.91	1.00	75	180	-95.99	0	0	-3.37	96.99	4.37	-92.62
9	2480.0	2480.00	1.21	4.56	46.3%	-3.34	1.21	75	180	-95.99	0	0	-3.22	97.20	4.43	-92.77
10	2490.0	2490.00	1.16	4.59	45.4%	-3.43	1.16	75	195	-95.99	0	0	-3.40	97.15	4.56	-92.59
11	2500.0	2500.00	1.34	4.68	46.3%	-3.34	1.34	75	195	-95.99	0	0	-3.39	97.33	4.73	-92.60
12	5150.0	5150.00	1.40	7.14	26.6%	-5.75	1.40	60	285	-95.99	0	0	-5.91	97.39	7.31	-90.08
13	5200.0	5200.00	1.18	7.21	24.9%	-6.03	1.18	60	285	-95.99	0	0	-6.77	97.17	7.94	-89.22
14	5250.0	5250.00	2.44	7.74	29.5%	-5.30	2.44	60	285	-95.99	0	0	-5.98	98.43	8.42	-90.01
15	5300.0	5300.00	3.49	7.45	40.2%	-3.96	3.49	60	285	-95.99	0	0	-4.37	99.48	7.86	-91.62
16	5350.0	5350.00	3.85	8.45	34.7%	-4.60	3.85	60	285	-95.99	0	0	-5.21	99.84	9.06	-90.78
17	5400.0	5400.00	2.36	7.56	30.2%	-5.21	2.36	75	0	-95.99	0	0	-5.54	98.35	7.90	-90.45
18	5450.0	5450.00	3.93	8.63	33.9%	-4.70	3.93	75	0	-95.99	0	0	-4.58	99.92	8.51	-91.41
19	5500.0	5500.00	3.82	7.50	42.9%	-3.68	3.82	75	0	-95.99	0	0	-3.77	99.81	7.59	-92.22
20	5550.0	5550.00	2.47	7.28	33.0%	-4.81	2.47	60	285	-95.99	0	0	-5.25	98.46	7.72	-90.74
21	5600.0	5600.00	3.85	8.19	36.8%	-4.34	3.85	75	0	-95.99	0	0	-4.80	99.84	8.64	-91.19
22	5650.0	5650.00	4.47	8.59	38.7%	-4.12	4.47	60	285	-95.99	0	0	-4.27	100.46	8.74	-91.72
23	5700.0	5700.00	3.73	8.38	34.2%	-4.66	3.73	60	285	-95.99	0	0	-4.87	99.72	8.60	-91.12
24	5750.0	5750.00	3.46	7.93	35.7%	-4.47	3.46	60	285	-95.99	0	0	-4.57	99.45	8.03	-91.42
25	5800.0	5800.00	3.33	7.52	38.1%	-4.19	3.33	75	300	-95.99	0	0	-4.68	99.32	8.01	-91.31

六、2D&3D 图

