

SPECIFICATION

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深圳市冠得通电子有限公司

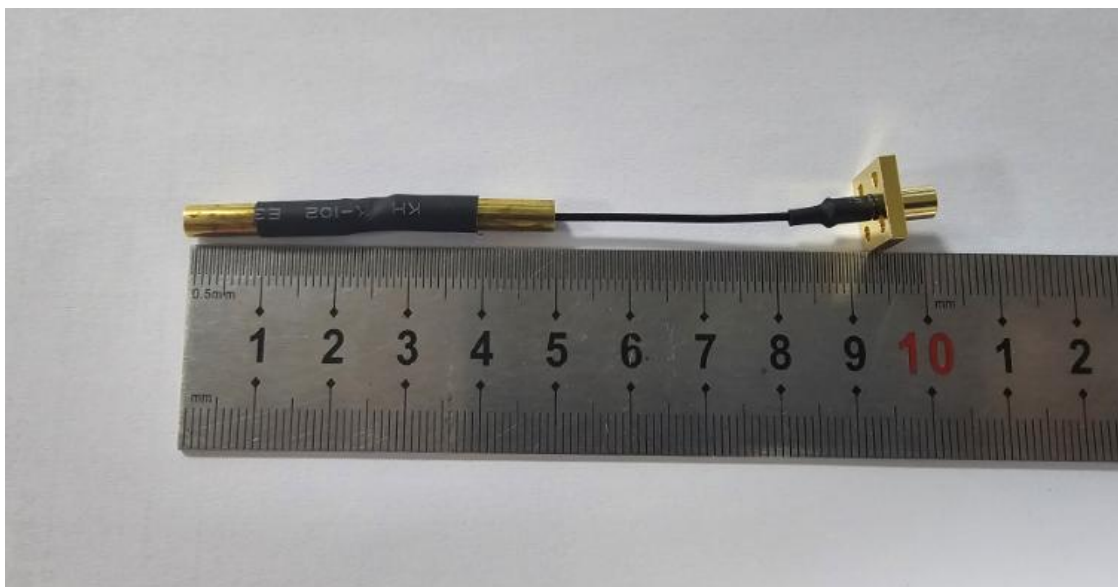
Shenzhen Guandetong Electronic Co., Ltd.

2.4G/5.8G 双铜管天线 1.13 黑 线长 40MM TO MCX-K

Antenna Specification

客 户	珠海美安宝	频 段	2400-2500MHZ 5150-5800MHZ
项目名称		版 本	A1

一、Photo



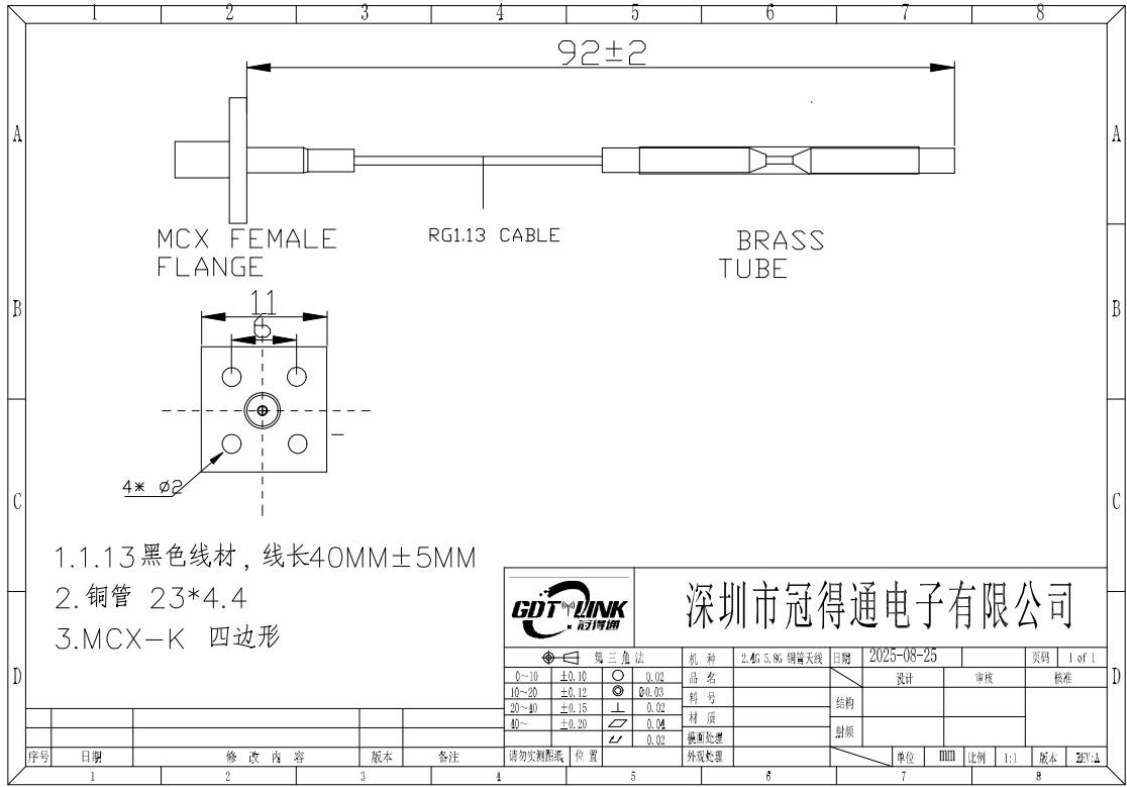
二、Specification

Specification			
产品名称(Name)	2. 4G/5. 8G 铜管天线	产品型号(Model Type)	
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHz 5150-5800MHZ	极化方式 (Polarization)	Vertical
输入阻抗(Impedance)	50 Ω	辐射方向 Radiation direction	Omnidirectional
驻波比 (VSWR)	≤ 2	功率容量(Power)	50W
机 械 指 标 (Mechanical Specifications)			
铜管尺寸 (Dimensions)	23*4.4	天线颜色(Chassis Color)	Black
连接器型号 (Connector)	IMCX-K	引线长度(Cable Length)	40MM
天线材料 (Chassis Material)	铜管+MCX-K	线材 wire	1.13 Black
工作温度 (Working Temperature)	-40℃-+85℃	存放温度 (Limit Temperature)	-40℃-+85℃

三、S11 (VSWR 、 Return loss 、 Smith)



四、Dimensions



五、Antenna gain and efficiency

序号	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
频率 (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0
带宽 (dBz)	-2.22	-2.06	-1.87	-1.84	-1.59	-1.39	-1.18	-1.10	-1.10	-0.98	-0.82	-2.84	-3.58	-3.20	-2.50	-3.09	-3.04	-1.95	-2.44	-3.14	-3.02	-2.58	-3.31	-2.68	-2.48
增益 (dBd)	3.95	4.45	4.85	4.20	4.28	4.30	4.34	4.26	4.13	4.10	4.15	2.40	2.28	2.27	3.99	3.71	3.85	4.82	1.77	3.04	2.62	2.97	1.93	2.42	2.64
效率 (%)	59.69	62.18	65.00	65.45	69.53	72.58	76.18	77.55	77.56	79.82	82.72	52.06	43.83	47.92	56.24	49.04	49.67	63.82	57.01	48.56	48.94	55.15	46.83	53.96	56.52
功率 (dBm)	6.17	6.20	6.12	6.04	5.69	5.58	5.49	5.48	5.48	5.48	5.48	4.98	5.24	5.24	5.49	5.80	6.02	6.48	5.66	5.66	5.66	5.66	5.66	5.66	5.66
最大发射功率 (P _{EM})	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	150.0	150.0	150.0	150.0
最大增益位置 (Phi)	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	150.0	150.0	150.0	150.0	150.0
水平极化效率 (%)	22.71	21.97	21.59	20.48	20.40	20.31	20.40	20.25	19.86	20.26	20.93	14.99	12.87	15.06	17.22	15.56	16.38	20.50	18.20	14.72	15.90	17.07	13.38	15.16	16.02
垂直极化效率 (%)	37.28	40.21	43.42	44.97	46.93	52.27	55.79	57.30	57.70	59.58	61.79	37.06	36.96	32.86	39.48	43.48	33.29	43.32	38.81	35.84	34.94	36.08	35.25	38.81	40.40
手征性效率 (%)	23.81	25.49	27.40	29.02	31.48	34.48	37.48	39.37	39.37	41.28	43.19	24.87	20.96	23.72	25.77	25.77	25.77	25.77	25.77	25.77	25.77	25.77	25.77	25.77	25.77
手征性效率 (%)	35.99	35.49	37.18	35.50	37.21	38.56	39.74	39.37	39.69	40.47	41.71	29.70	23.72	25.75	27.40	25.48	25.89	34.45	29.17	26.32	26.21	26.32	24.52	28.15	29.20

六、2D&3D

