

SPECIFICATION

Shenzhen Guandetong Electronic Limited

*Shenzhen Guandetong Electronic Co., Ltd.*2.4G 5.8G dual-band transversal antenna 1.13 black-out 300MM band terminal

Product Specification

connection		frequency range	2400-2500MHz 5200-5800MHZ
Frequency band wire name		edition	A1
Customer part number		Guandetong part number	
Guandetong No			
R F design	肖彬	RF Manager	刘亮
Structural design	王栋	Structure Manager	王华
Technical Director	叶定坤	Date	2023-12-12

Customer confirmation:

Does the assembly meet your company's requirements: ☐OK ☐NG

catalogue

Cover	1
catalogue.....	2
一、 Product pictures	3
二、 Product parameters	3
三、 S11(VSWR、 Return、 Smith)	4
四、 Structural drawings.....	4
五、 APPLE Chart.....	5
六、 Environmental performance test.....	6

Confidentiality requirements of Shenzhen Guanditong Electronic Co. , Ltd. . The company has proprietary technology to provide the information, which should be strictly confidential, it shall not be disclosed to any person or company without the prior written consent of Shenzhen Guanditong Electronic Co. , Ltd. .

一、 Product pictures



二、 Product parameters

Product testing parameters			
Product name	Ultrasonic antenna	(Model Type)	GDT-P2.4-5.8-L60
(Electrical Specifications)			
(Frenquency Range)	2400-2500MHz 5200-5800MHZ	(Polarization)	perpendicular
(Impedance)	50 ohm	Radiation	Omnidirectional
(VSWR)	≦2.0	(Power)	50W
(Gain)	3dBi	(Bandwidth	100M
(Mechanical Specifications)			
(Dimensions)	150*16.44±2mm	(Chassis Color)	Black
(Connector)	IPEX	(Cable Length)	1.13Black 300MM
(Chassis Material)	ABS		
(Working Temperature)	-40℃-+85℃	(Limit Temperature)	-40℃-+85℃

Address: 3/F, Tower D, Huanguan Nanmaoyuan Industrial Park, Guanhu Street,
Longhua District, Shenzhen. Tel: 0755-88298396 fax: 0755-89733896

<http://www.szgdt rf.com>

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三、S11(VSWR、Return、Smith)

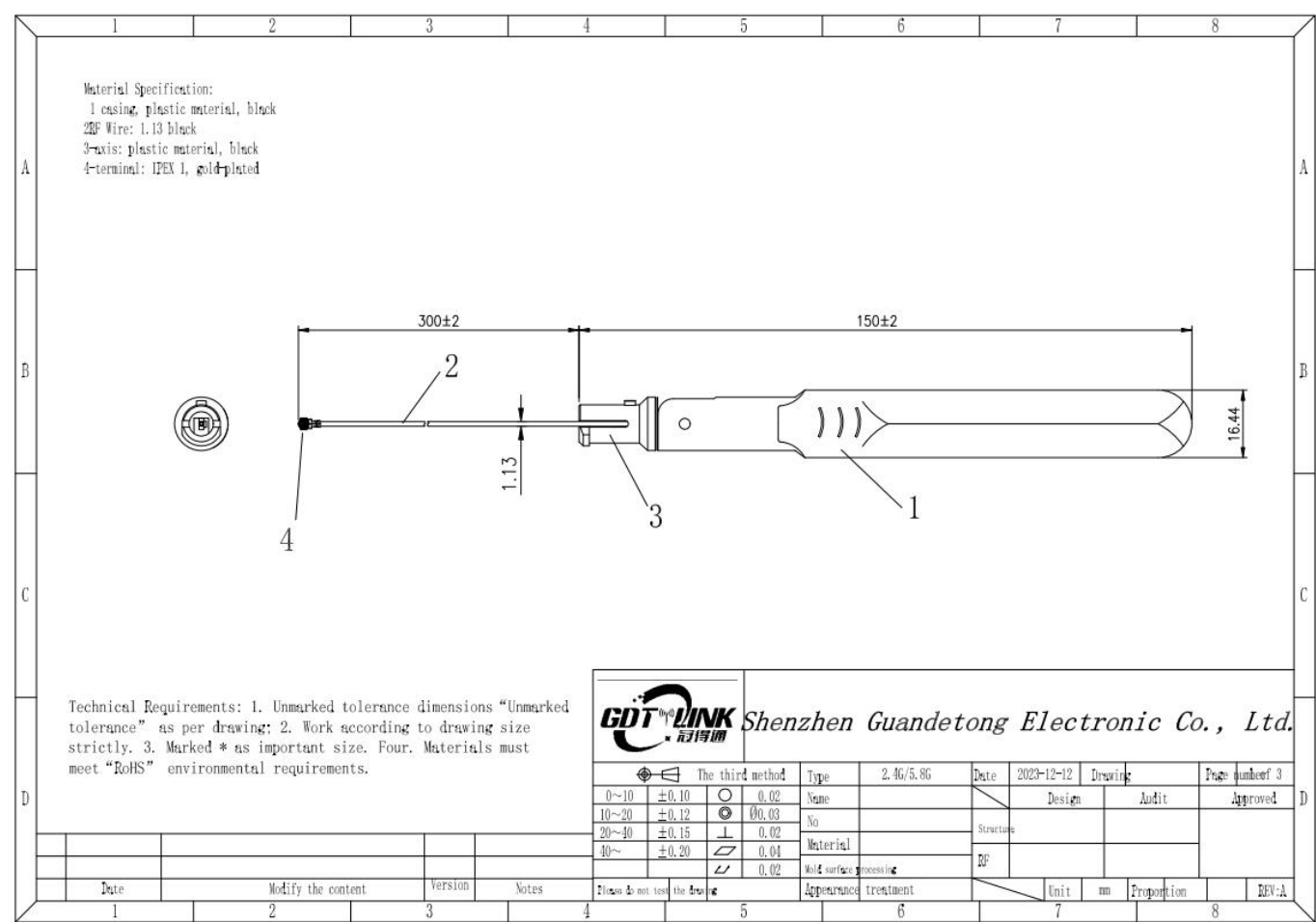


四、Structural drawings

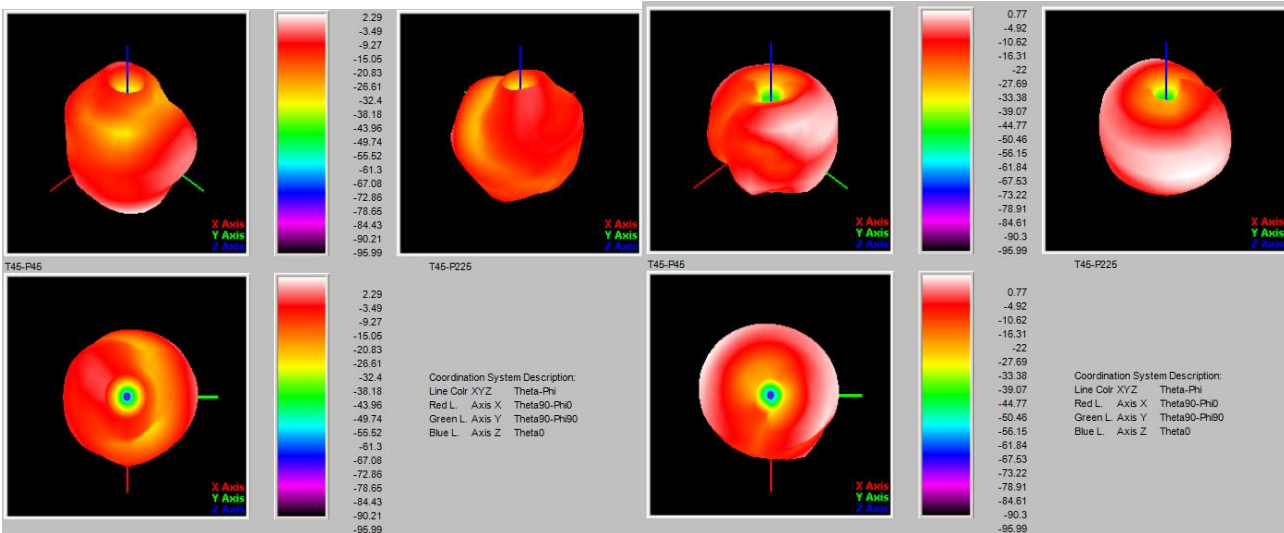
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五. APPLE Chart



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六、 Environmental performance test

project	Project test conditions	Specifications
Storage environment	<p>The test temperature, humidity and air pressure are as follows when there is no specific condition:</p> <ol style="list-style-type: none">1. The temperature is $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$2. Relative humidity: 45% - 85%3. The air pressure is 86kpa-106kpa	Normal electrical and mechanical performance
High and low temperature test	5 cycles between 70°C and 40°C , then under normal conditions 1-2H, check the appearance quality.	<p>The size shall meet the requirements and</p> <p>Mechanical and electrical performance</p>
Constant damp heat resistance test	<p>Relative humidity: $95 \pm 3\%$, test temperature: 40°C. After lasting for 2h,</p> <p>The electrical performance shall be measured within 5 minutes after the test object is taken out, and the test object shall be within the normal range</p> <p>Part 1-2H, check the appearance quality</p>	<p>The size shall meet the requirements and</p> <p>Mechanical and electrical performance</p>
vibration test	<p>Vibration frequency range: 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/s, frequency sweep cycles: 30 times</p>	Normal electrical and mechanical performance
Drop test	Free fall for 3 times in the direction of mutually perpendicular axes at a height of 1M	Normal electrical and mechanical performance