

SPECIFICATION

Shenzhen Guandetong Electronic Limited

*Shenzhen Guandetong Electronic Co., Ltd.*2.4G 3dBi w91 White antenna L=290mm+Terminal

Product Specification

connection	Zhuochuang Weishi	frequency range	2400-2500MHz
Frequency band wire name		edition	A1
Customer part number		Guandetong part number	
Guandeton g No			
R F design	Xiao Bin	RF Manager	Liu Liang
Structural design	Wang Dong	Structure Manager	Wang Hua
Technical Director	Ye Dingkun	Date	2024-5-07

Customer confirmation:

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

C o n f i d e n t i a l i t y r e q u i r e m e n t s

Our company already possesses the information provided by proprietary technology, which should be kept strictly confidential. Without the prior written consent of Shenzhen Guandetong Electronics Co., Ltd., it is not allowed to be disclosed to anyone or the company.

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一、 Product pictures



二、 Product parameters

Product testing parameters			
Product name	2.4G antenna	(Model Type)	GDT-P2.4--L290
(Electrical Specifications)			
(Frequency Range)	2400-2500MHz	(Polarization)	perpendicular
(Impedance)	50 euros	Radiation	Omnidirectional
(VSWR)	≤ 2.0	(Power)	50W
(Gain)	3dBi	(Bandwidth)	100M
(Mechanical Specifications)			
(Dimensions)	97.98-+0.3mm	(Chassis Color)	White
(Connector)	IPEX	(Cable Length)	290±3MM
(Chassis Material)	ABS		
(Working Temperature)	-40℃-+85℃	(Limit Temperature)	-40℃-+85℃

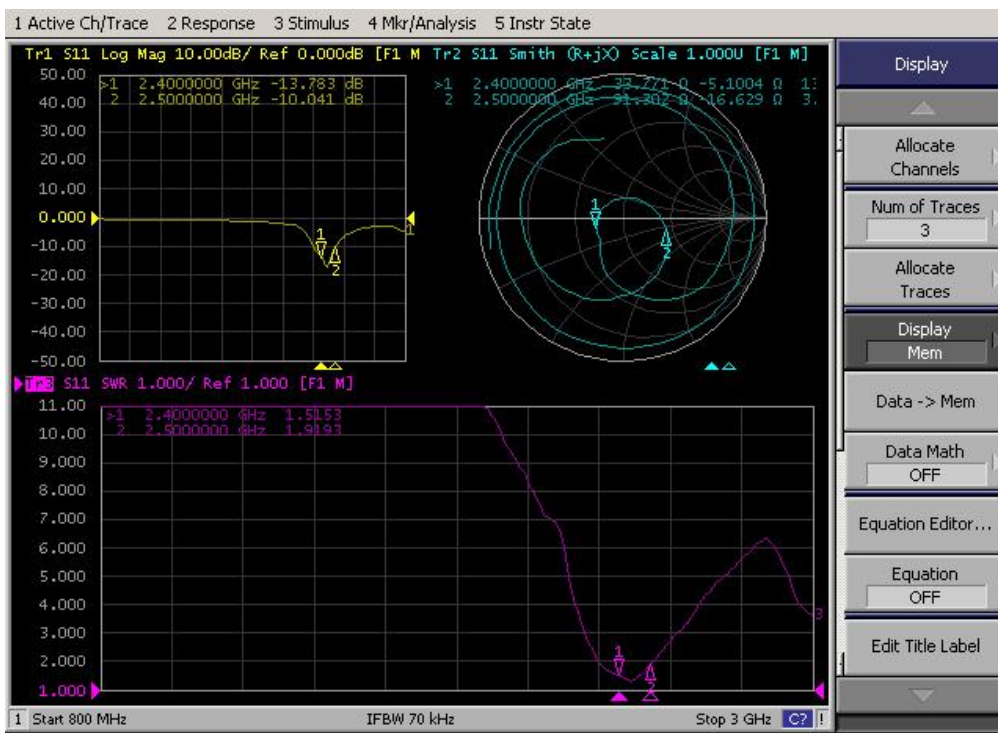
三、 S11(VSWR、 Return、 Smith)数据

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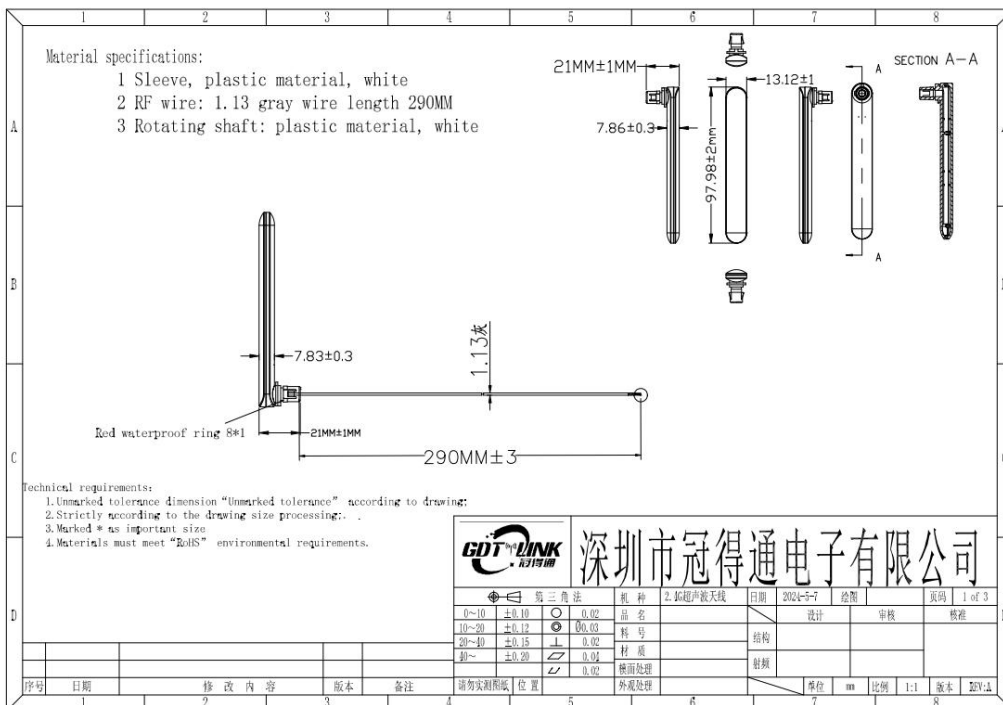
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四、Product Structure Diagram



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<http://www.szgdt.com>

五、Environmental performance test

project	Project test conditions	Specifications
Storage environment	The test temperature, humidity and air pressure are as follows when there is no specific condition: 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.	The size shall meet the requirements and Mechanical and electrical performance
Constant damp heat resistance test	Relative humidity: $95 \pm 3\%$, test temperature: 40°C. After lasting for 2h, 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 Part 1-2H, check the appearance quality	The size shall meet the requirements and Mechanical and electrical performance
vibration test	Vibration frequency range: 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/s, frequency sweep cycles: 30 times	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