

RED DOT INFORMATION TECHNOIOGY SHENZHEN CO, LTD

PRODUCT SPECIFICATION

Customer	
Customers part number	
Product Material Code	HD. TG-5. 0-12. 5-92-12
Working Band	5150MHz- 5850MHz
Issue Date	2023-12- 1 5
Release Version	A1
Author	Zou yang cheng

Directory

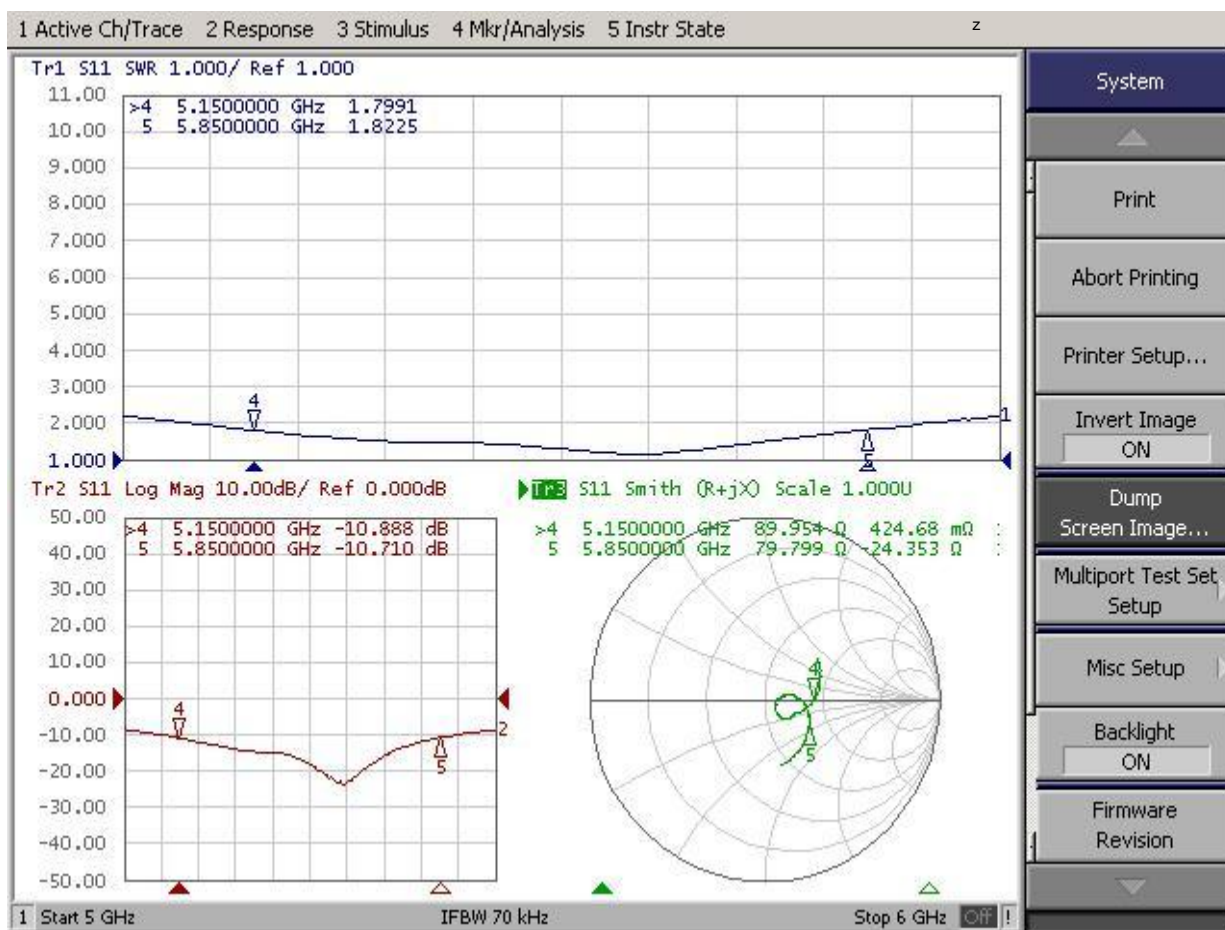
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One、PRODUCT TECHNICAL SPECIFICATION

Frequency Range(MHz)	5150-5850
Input Impedence(Ω)	50
VSWR	≤2.0
Radiation	Omni-directional
Gain(dBi)	2
Polarization Type	Liner polarization
Admitted Power Connector	2W
Connect Type	IPEX
Bandwidth(MHz)	700
Chassis Color	Black
Operation temperature (℃)	-40~+85
Store temperat (℃)	-40~+85

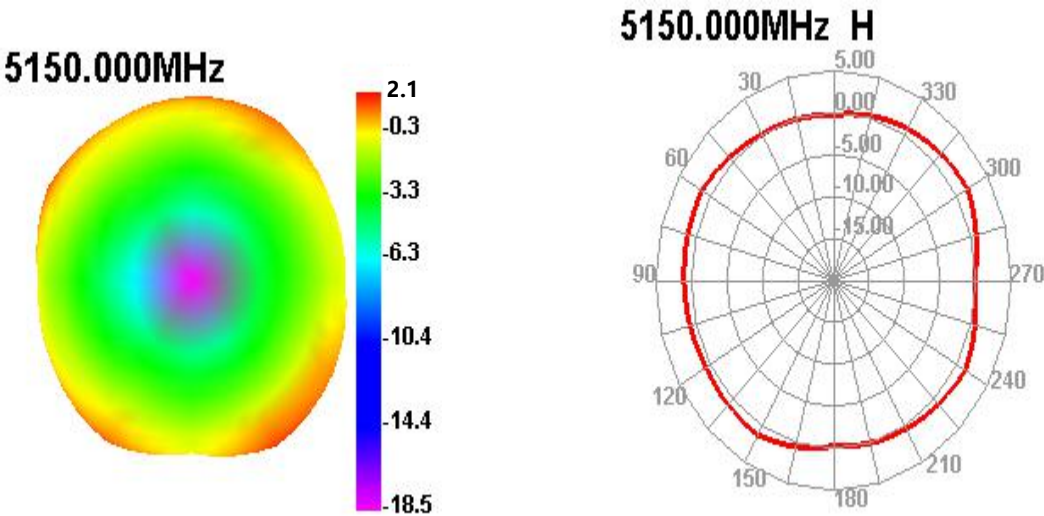
Two 、 VSWR

Frequency (MHz)	5150	5850
VSWR	1.7991	1.8225

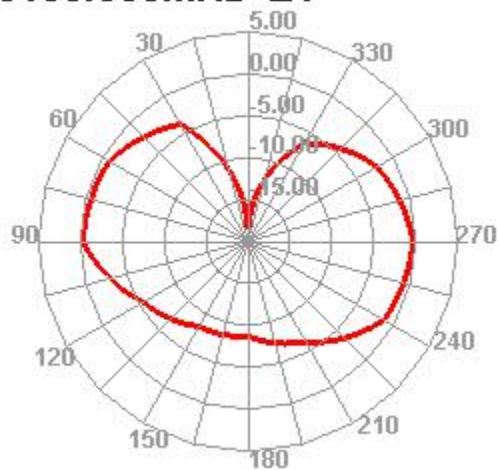


Three、Efficiency/Gain/Directivity
Diagram

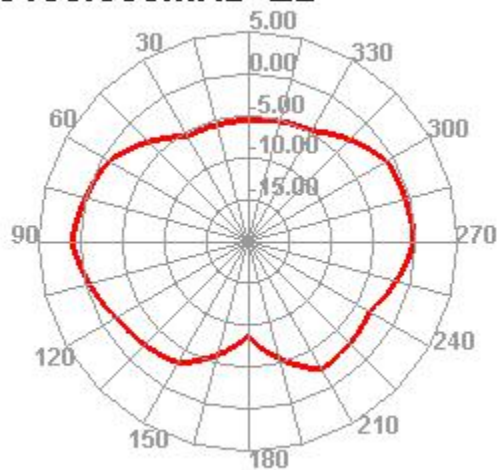
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	73.9	-1.31	2
5220	69.12	-1.6	1.4
5290	64.32	-1.92	1.05
5360	64.59	-1.9	0.98
5430	73.62	-1.33	1.32
5500	66.44	-1.78	0.88
5570	67.85	-1.68	1.11
5640	61.96	-2.08	1.02
5710	60.83	-2.16	1.05
5780	61.95	-2.45	1.35
5850	62.14	-2.07	1.23



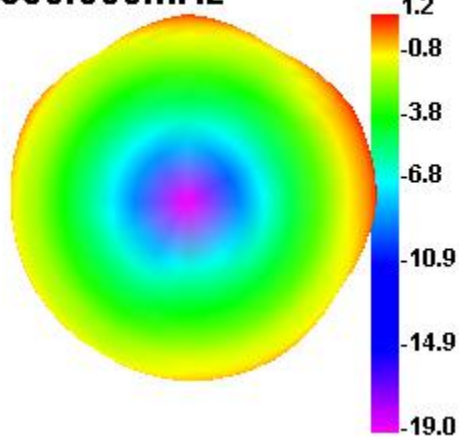
5150.000MHz E1



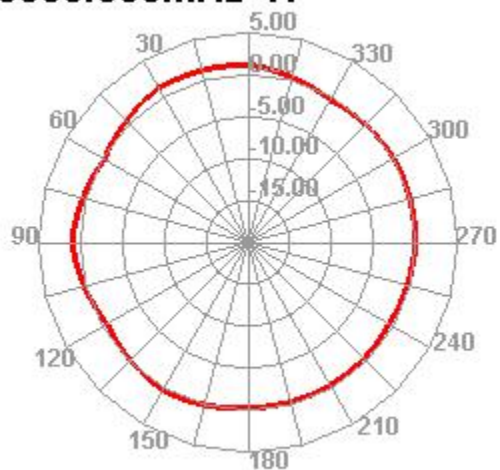
5150.000MHz E2



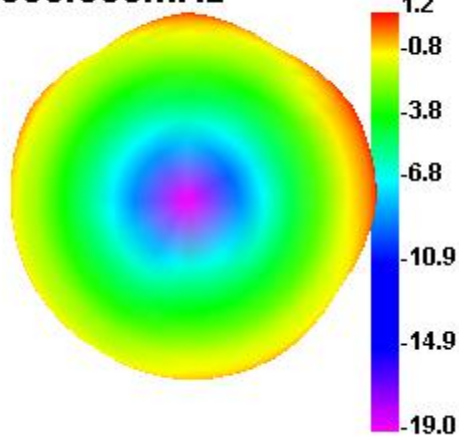
5850.000MHz



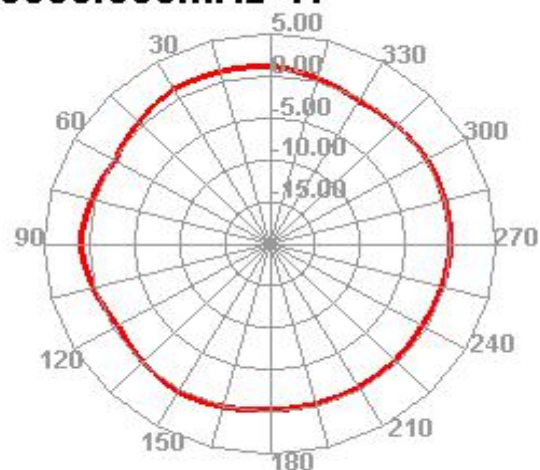
5850.000MHz H



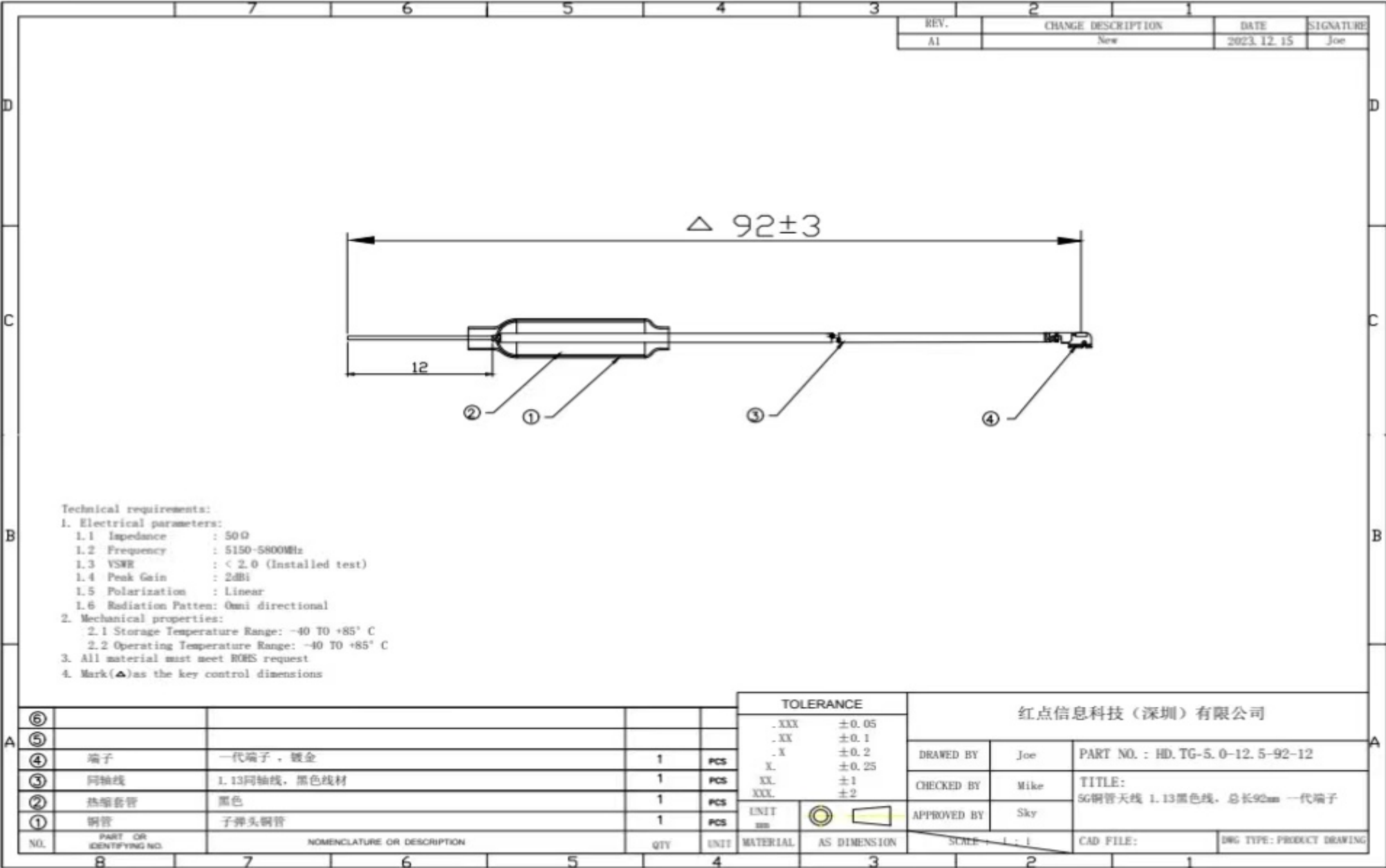
5850.000MHz



5850.000MHz H



Four、Product drawing



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