GainForce Technology Co.,Ltd

嘉光科技股份有限公司

承認書

品 名: MODEL NAME	Anten	18	
	AT3216-T2R4	4PAAT/LF	
PART NUMBER _			
客戶名稱:	永洋	色	
CUSTOMER	11320Y1114	1A1	
	GainFo		
_			-
使用機種:			
MODEL _			
聯絡人:	尹 唐	汶	
DI 414 2 C			•
聯絡電話:_	(02) 288	0-1838	-
附 件:			
	規格書	■樣品	
-	SPECIFICATION	SAMPLE	
1	圖樣	□檢驗報告	
	DRAWING	TEST REPORT	
3可狀況:			
PPROVED STATUS)	零件承	②認	
irroved similos)	2013.04		

APP.NO.:



AT3216 Series (Preliminary)

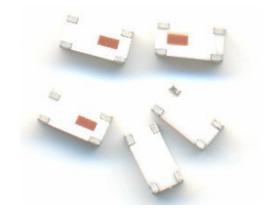
Multilayer Chip Antenna

Features

- ❖ Monolithic SMD with small, low-profile and light-weight type.
- ❖ Wide bandwidth

Applications

- ❖Bluetooth/Wireless LAN/Home RF
- ❖ISM band 2.4GHz applications



Specifications

Part Number	Frequency Range (MHz)	Peak Gain (XZ-total)	Average Gain (XZ-total)	VSWR	Impedance
AT3216 -T2R4PAA_	2400 ~ 2500	1.5 dBi typ.	-1.0 dBi typ.	3.0 max.	50 Ω

Q'ty/Reel (pcs) : 3,000pcs Operating Temperature Range : $-40 \sim +85$ °C

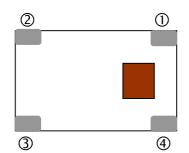
Storage Temperature Range : +5 ~ +35 °C, Humidity 45~75%RH

Storage Period : 12 months max.
Power Capacity : 2W max.

Part Number

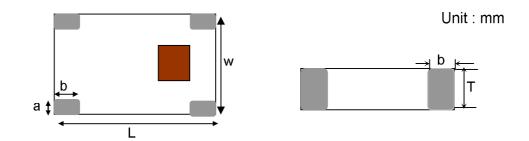
① Туре	AT : Antenna	② Dimensions (L × W)	3.2× 1.6 mm
③ Material Code	Т	④ Frequency Range	2R4=2400MHz
S Specification Code	PAA	© Packaging	T: Tape & Reel B: Bulk
⑦ Soldering	=lead-containing /LF=lead-free		

Terminal Configuration



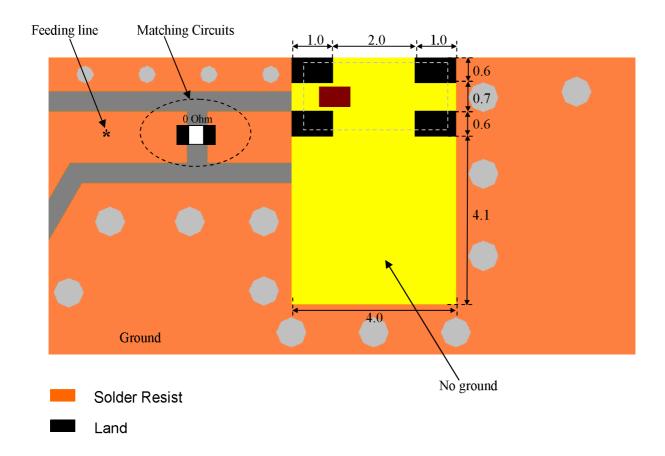
No.	Terminal Name	No.	Terminal Name
1	Feeding Point	2	GND
3	GND	4	GND





Mark	L	W	Т	а	b
Dimensions	3.2±0.2	1.6±0.2	1.2±0.2	0.3+0.1 / - 0.2	0.5±0.2

❖Without Matching Circuits - Unit in mm

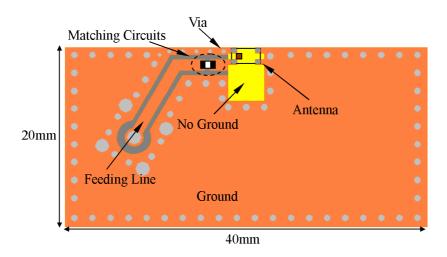


^{*}Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

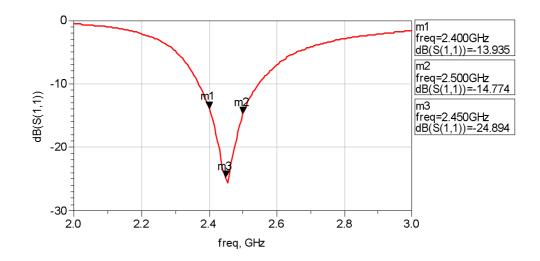


Typical Electrical Characteristics (T=25°C)

❖Test Board

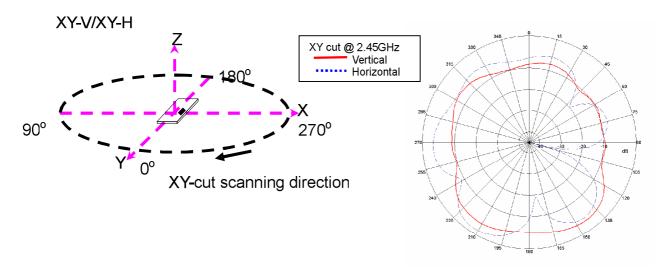


❖Return Loss-without matching circuits

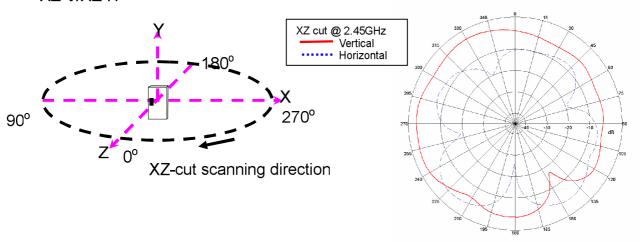




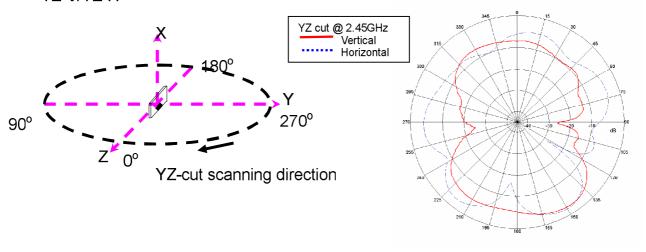
❖Radiation Patterns



XZ-V/XZ-H

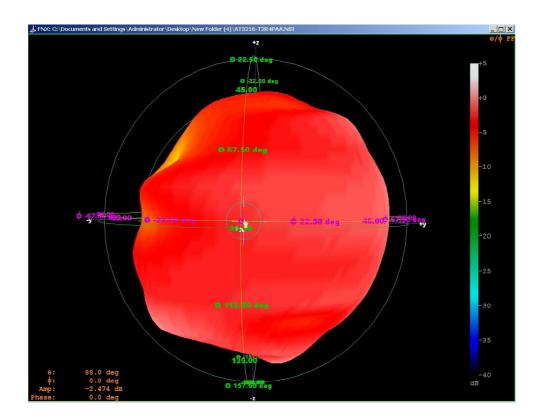


YZ-V/YZ-H





❖Radiation Patterns - 3D Pattern



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