

A3216H2G50M200-03 chip antenna



## Technical indicators:

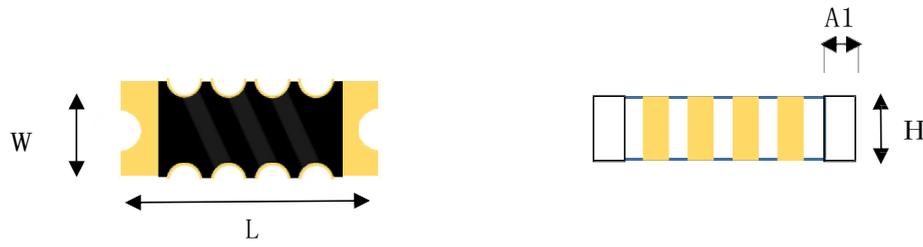
Center frequency	2.50GHz
Frequency bandwidth	100MHz(typ.)
Maximum Gain	2.71dBi(typ.) (XZ-V)
Average Gain	0.5dBi(typ.) (XZ-V)
vswr	<2
Impedance	50Ω
Power Capacity	3 W(max)
Operation temperature	-40 ~ +85 °C
Storage temperature	-40 ~ +85 °C

## Part number information:

A 3216 H 2G50 M200 - 03

A	antenna	2G50	The center frequency
3216	Size3.2x1.6	M200	Frequency bandwidth
H	Inductive	03	PRODUCT MODEL

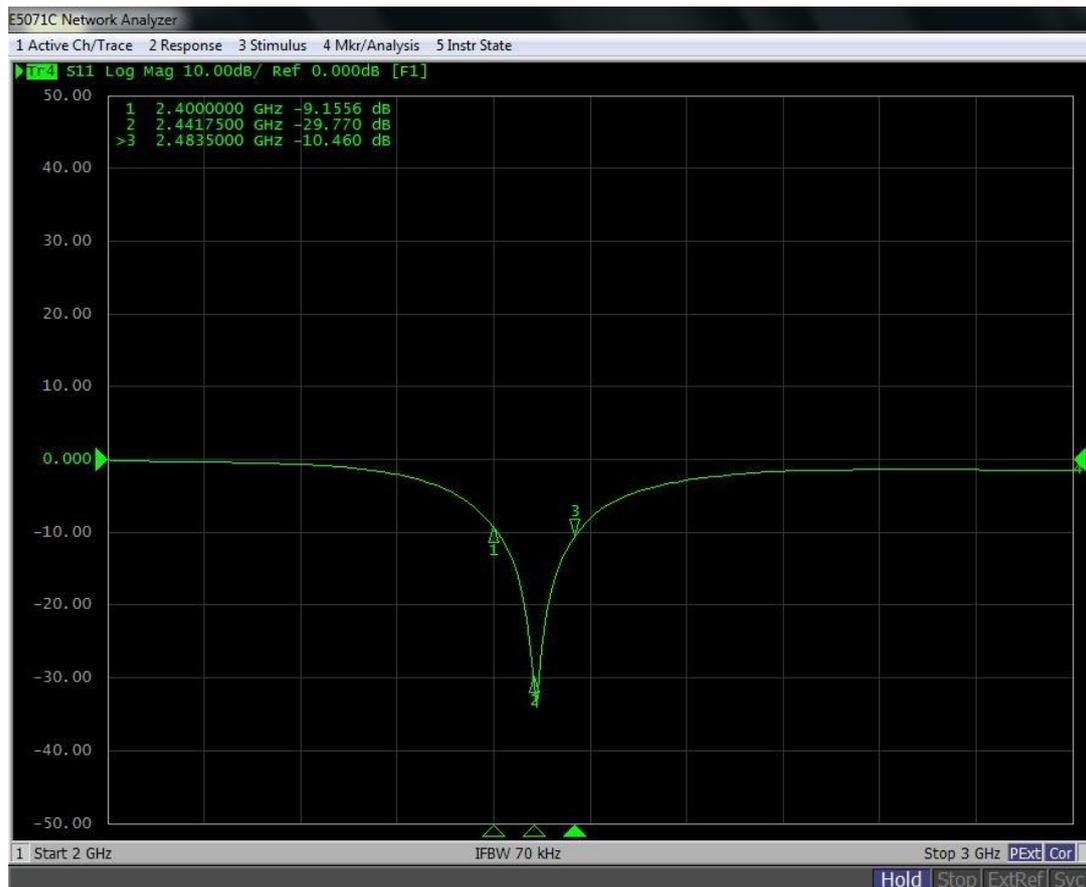
## 1. Size description:



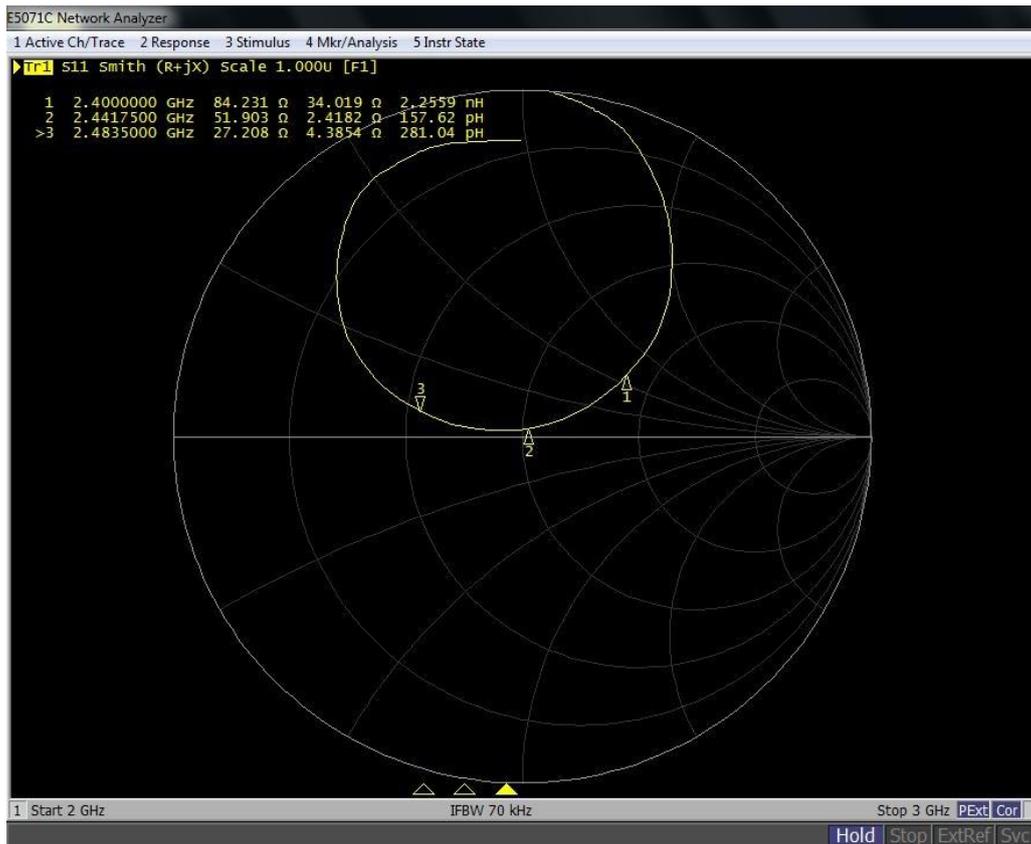
Size (mm)	<b>L</b>	<b>W</b>	<b>H</b>	<b>A1</b>
External dimensions	$3.2 \pm 0.05$	$1.6 \pm 0.05$	$0.4 \pm 0.05$	$0.35 \pm 0.05$

2.The performance parameters after antenna matching and debugging are shown in the following figure:

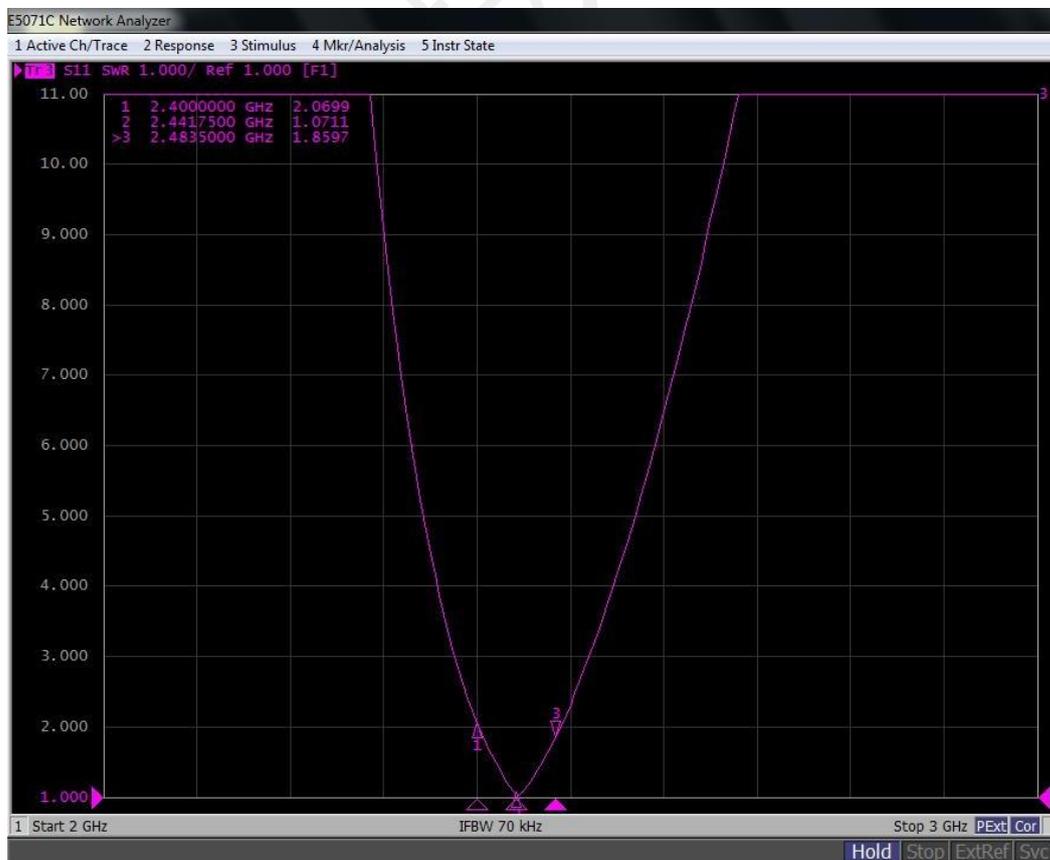
**S11 Log Mag :**

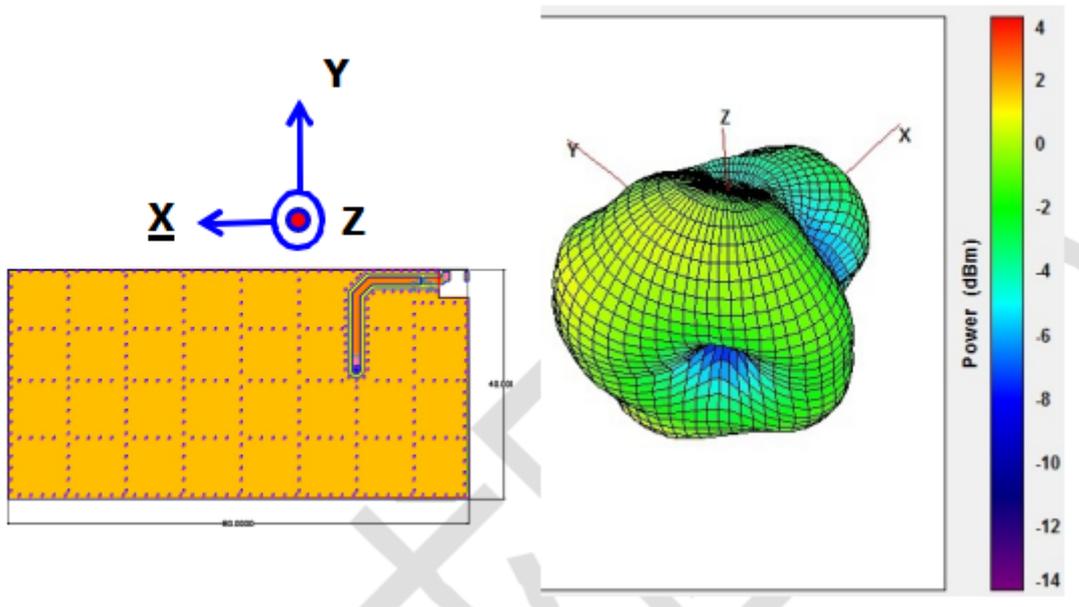


## S11 Smith R+jx :



## S11SWR :





	Efficiency	Peak Gain	Directivity
2400MHz	55.21 %	1.45 dBi	5.32 dBi
2450MHz	66.45 %	2.71 dBi	5.21 dBi
2500MHz	57.53 %	1.98 dBi	5.29 dBi