

2.4GHz 3216 Chip Antenna

Application:

WLAN, 802.11b/g, Bluetooth, WLAN, etc...

Features

SMD, high reliability, ultra Impact, Omni-directional...

Part number Information

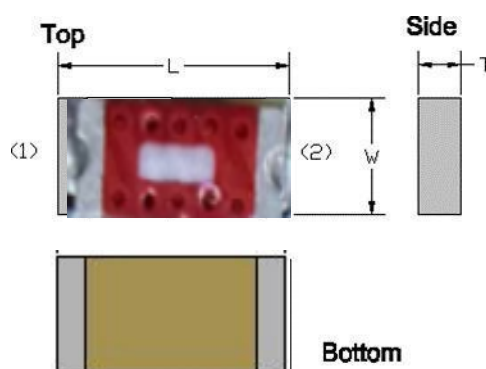
RANT 3216 F 245 C 07
(A) (B) (C) (D) (E) (F)

(A)Product Type	Chip Antenna
(B) Size Code	3.2x1.6mm(±0.2mm)
(C) Material	High K material
(D) Frequency	2.4 ~ 2.5GHz
(E) Feeding mode	PIFA & Single Feeding
(F) Antenna type	Type=07

Electrical Specification

Working Frequency Range	2400 ~2500 MHz
Bandwidth	120 MHz (Min.)
Peak Gain	0dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(°C)	-40 ~85°C
Resistance to Soldering Heats	10sec. (@ 280°C)
Termination	Ni / Au (Leadless)

Dimension and Terminal Configuration



Dimension (mm)	
L	3.20 ± 0.20
W	1.60 ± 0.20
T	0.85 ± 0.20

No.	Terminal Name
1	Feeding/GNG
2	GND/Feeding

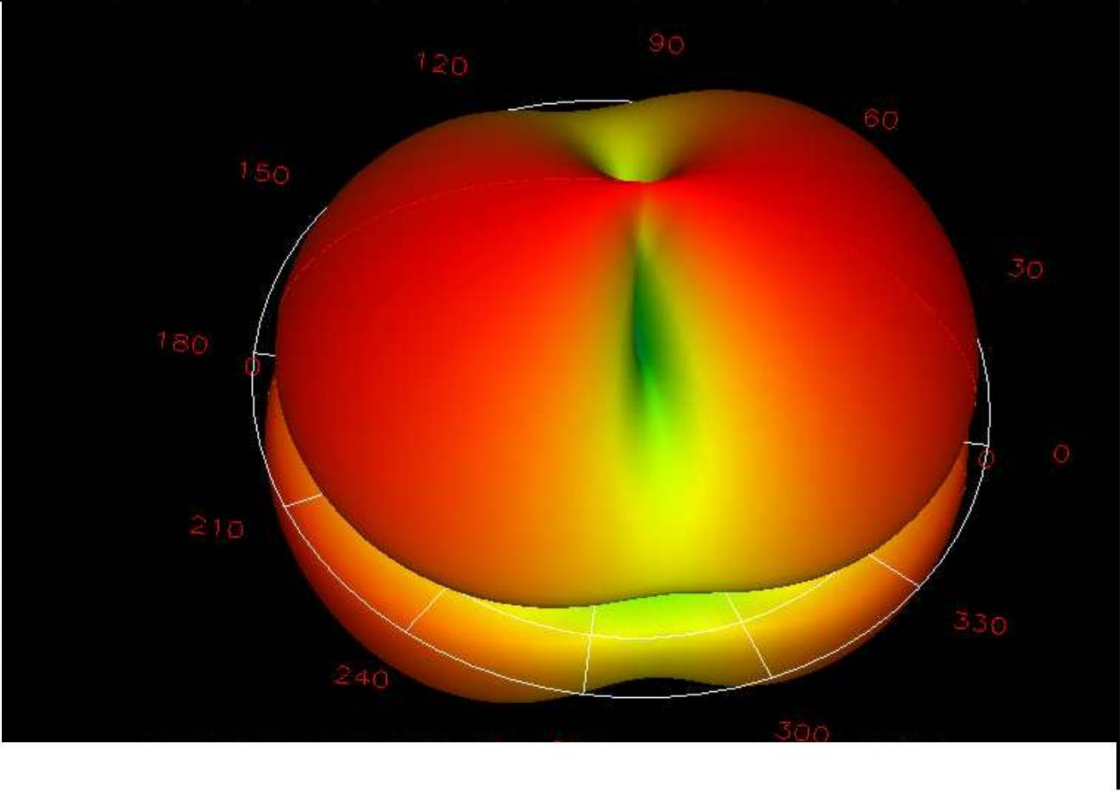
Manufacturer:Guangdong Yongding Technology Co., Ltd
Address:NO. 10 Chenglong Road ,Qianlong village,Sanxiang Town,
Zhongshan City,Guangdong Province

3. Antenna Radiation Pattern

Radiation pattern@2.402GHZ

Total Average Gain:-0.475dbi

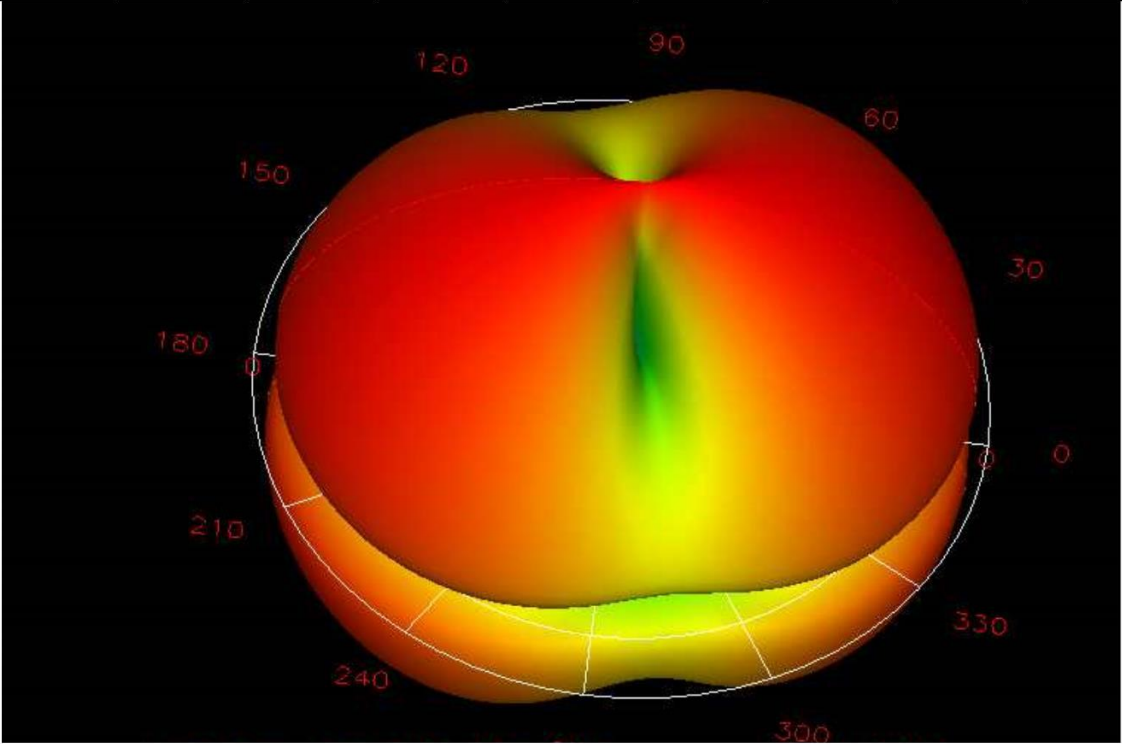
Phi	0	45	90	135	180	235	270	315
Gain	-0.1	-0.3	-0.8	-0.5	-0.2	-0.6	-0.8	-0.5



Radiation pattern@2.441GHZ

Total Average Gain:-0.275dbi

Phi	0	45	90	135	180	235	270	315
Gain	0	-0.1	-0.3	-0.6	-0.1	-0.2	-0.6	-0.4



Radiation pattern@2.480GHZ

Total Average Gain:-0.237dbi

Phi	0	45	90	135	180	235	270	315
Gain	0	-0.1	-0.2	-0.5	0	-0.3	-0.6	-0.2

