

2.4GHz 3216 Chip Antenna: RANT3216F245X02

Application:

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

Features

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

Part number Information

<u>RANT</u>	<u>3216</u>	<u>F</u>	<u>245</u>	<u>X</u>	<u>02</u>
(A)	(B)	(C)	(D)	(E)	(F)

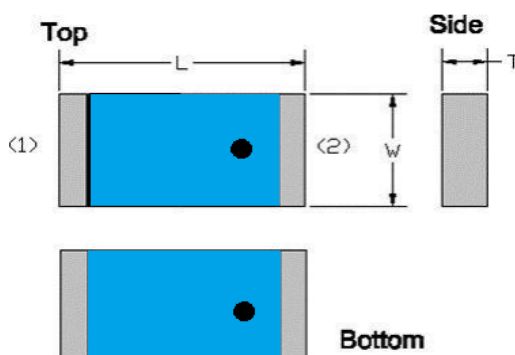
(A)Product Type	Chip Antenna
(B) Size Code	3.2x1.6mm(±0.2mm)
(C) Material	High K material
(D) Frequency	2.4 ~ 2.5GHz
(E) Feeding mode	PIFA & Single Feeding
(F) Antenna type	Type=0X

Electrical Specification

Working Frequency Range	2400 ~2500 MHz
Bandwidth	120 MHz (Min.)
Peak Gain	1.85 dBi (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)

The specification is defined on EVB.

Dimension and Terminal Configuration

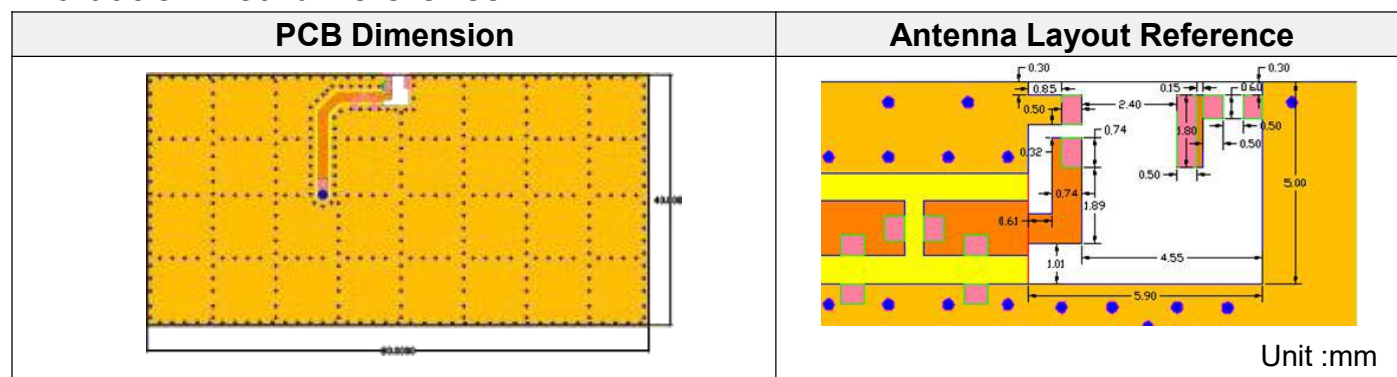


Dimension (mm)	
L	3.20 ± 0.20
W	1.60 ± 0.20
T	0.45 ± 0.20

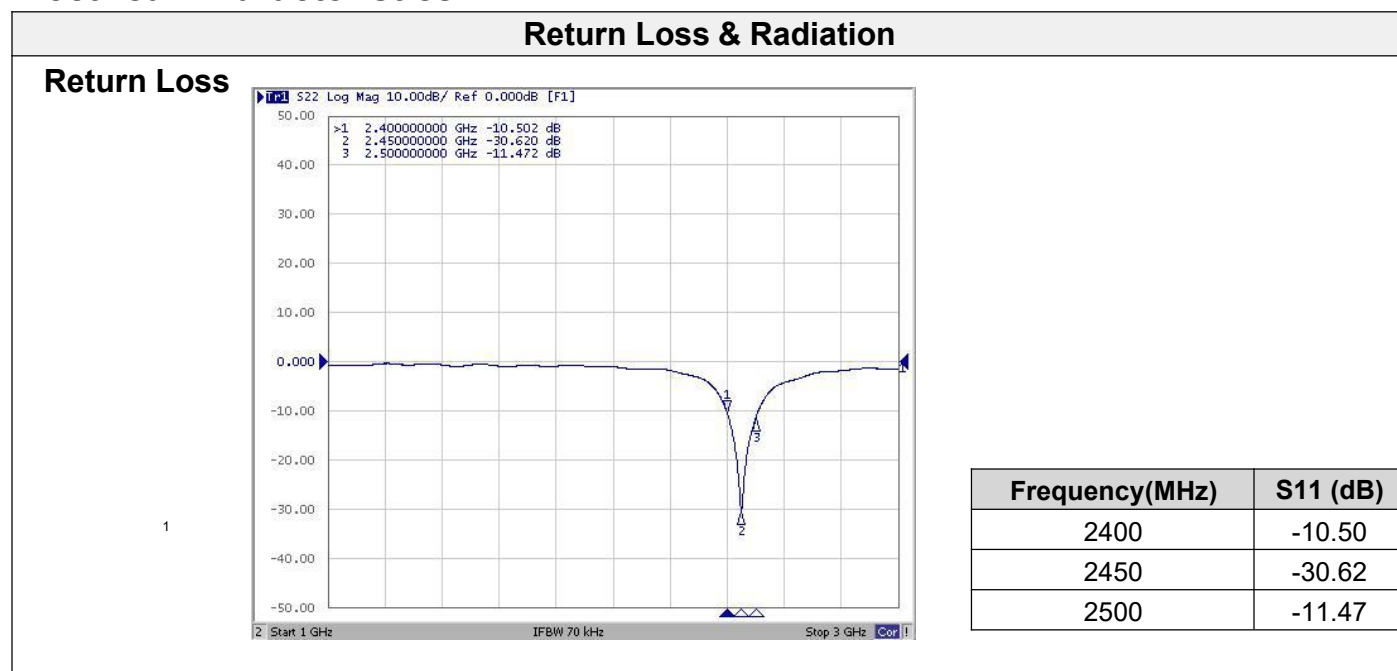
No.	Terminal Name
1	Feeding/GNG
2	GND/Feeding

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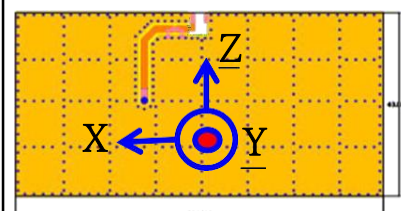
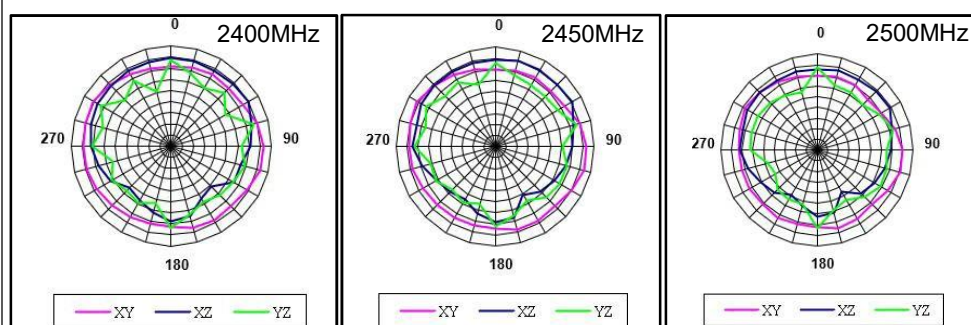
Evaluation Board Reference



Electrical Characteristics



Radiation



	2400MHz	2450MHz	2500MHz
Gain(dBi)	1.76	1.85	1.81

