RAIN

Application:

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

Features

SMD, high reliability, ultra Impact, Omni-directiona

Part number Information

RANT	2012	F	245	C	07
(A)	(B)	(C)	(D)	(E)	(F)

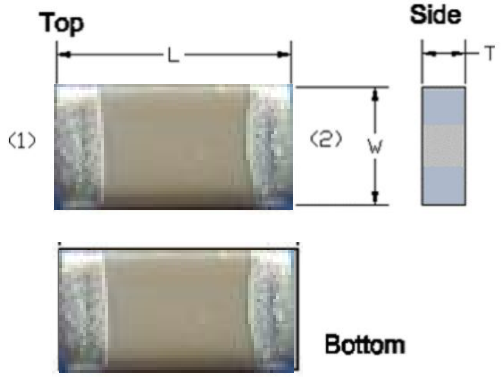
(A)Product Type	Chip Antenna
(B) Size Code	2.0x1.2mm(+-0.2mm)
(C) Material	High K material
(D) Frequency	2.4 ~ 2.5GHz
(E) Feeding mode	PIFA & Single Feeding
(F) Antenna type	Type=07

Electrical Specification

Working Frequency Range	2400 ~2500MHz
Bandwidth	84 (Min.)
Peak Gain	2.7 dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(℃)	-40 ~85℃
Resistance to Soldering Heats	10sec. (@ 280℃)
Termination	Ni / Au (Leadless)

The specification is defined on EVB.

Dimension and Terminal Configuration



Dimension (mm)	
L	2.05+-0.10
W	1.20+-0.10
T	0.65+-0.10

No.	Terminal Name
1	Feeding/GNG
2	GND

RAIN International Technology Co., Ltd.
Room709, Building F, Yuxing Science and Technology Industrial Park,
Nanchang Third Industrial Zone, Nanchang Community, Xixiang Street,
Bao'an District, Shenzhen, China

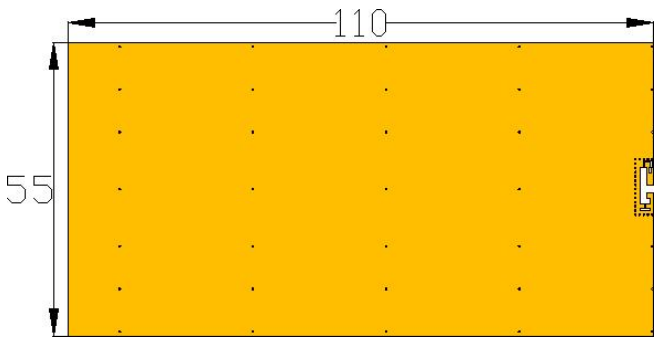
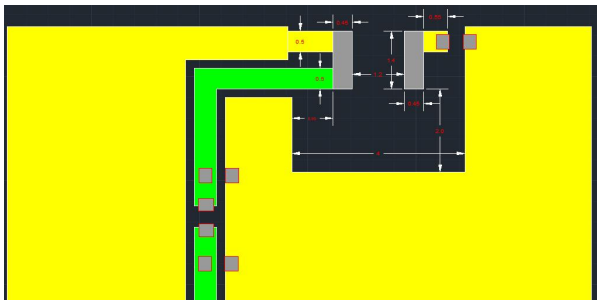
Pb lead-free

RoHS compliant

RAIN

-

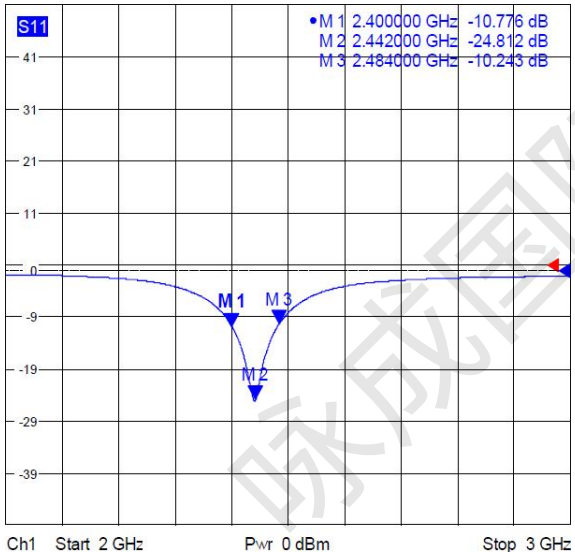
Evaluation Board Reference

PCB Dimension	Antenna Layout Reference Unit :mm
	

Electrical Characteristics

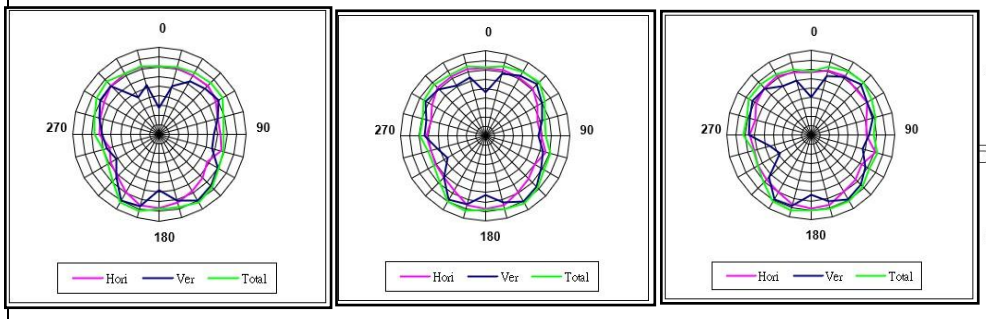
Return Loss & Radiation

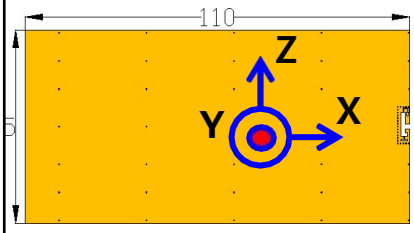
Return Loss



Frequency(MHz)	S11 (dB)
2400	-10.77
2450	-24.81
2484	-10.243

Radiation





	2400MHz	2450MHz	2500MHz
Gain(dBi)	2.38	2.7	2.59