

Application:

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

Features

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

Part number Information

<u>RANT</u>	<u>2012</u>	<u>F</u>	<u>245</u>	<u>C</u>	<u>05</u>
(A)	(B)	(C)	(D)	(E)	(F)

(A)Product Type	External 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=05

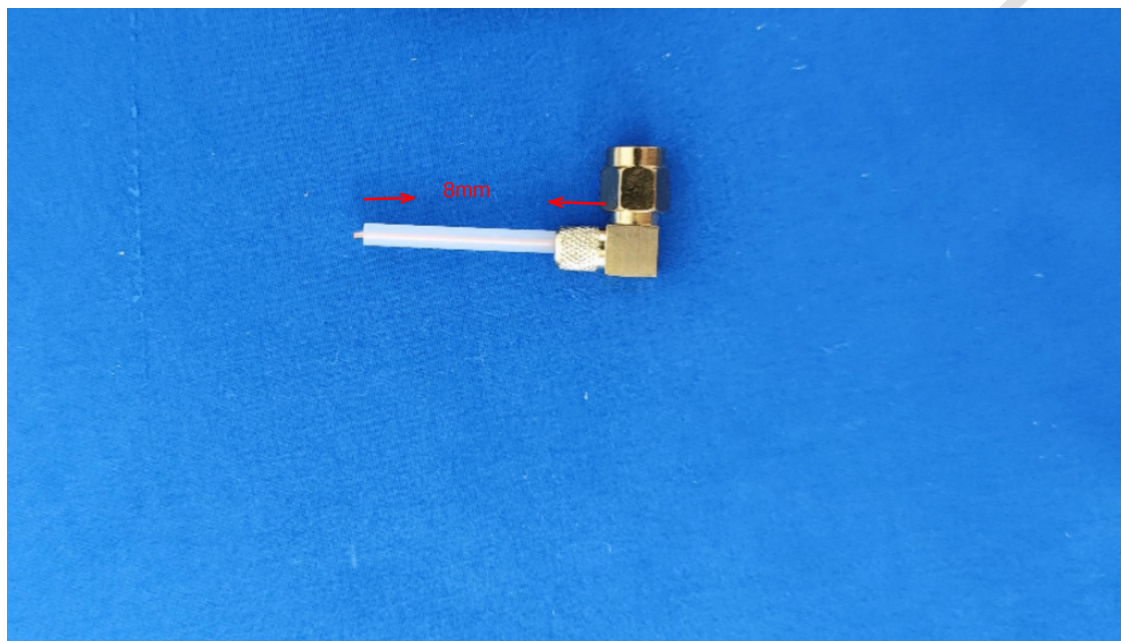
Electrical Specification

Working Frequency Range	2400 ~2500 MHz
Bandwidth	84 (Min.)
Peak Gain	1.6 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

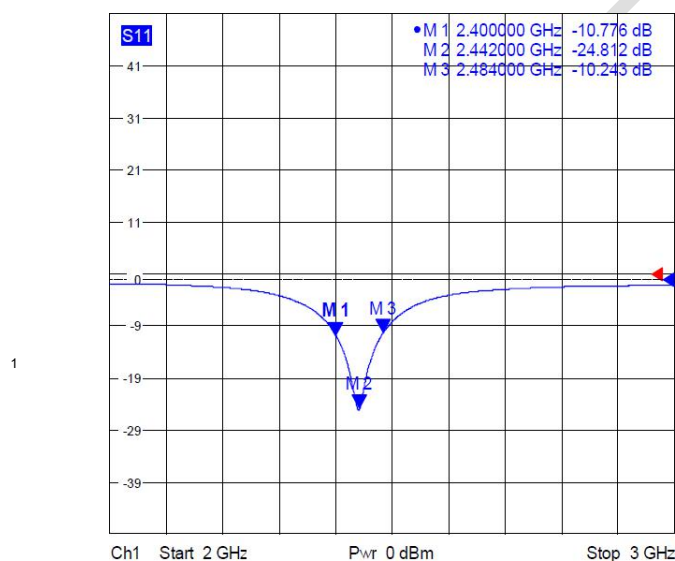
Address : 709, Building F, Yuxing Science and Technology Industrial Park, Nanchang Third Industrial Zone, Nanchang Community, Xixiang Street, Bao 'an District, Shenzhen



Electrical Characteristics

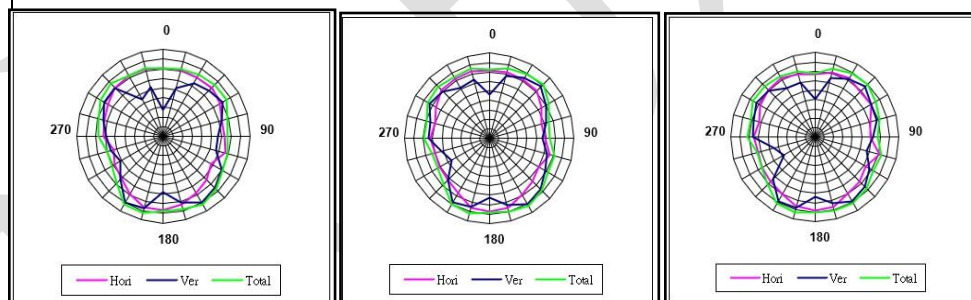
Return Loss & Radiation

Return Loss



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

Radiation



	2400MHz	2450MHz	2500MHz
Efficiency	70.56%	75.25%	71.01%
Peak Gain	1.52 dBi	1.60dBi	1.48dBi

