RAIN

Application:

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

Features

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

Part number Information

RANT	2012	F	245	C	05
(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

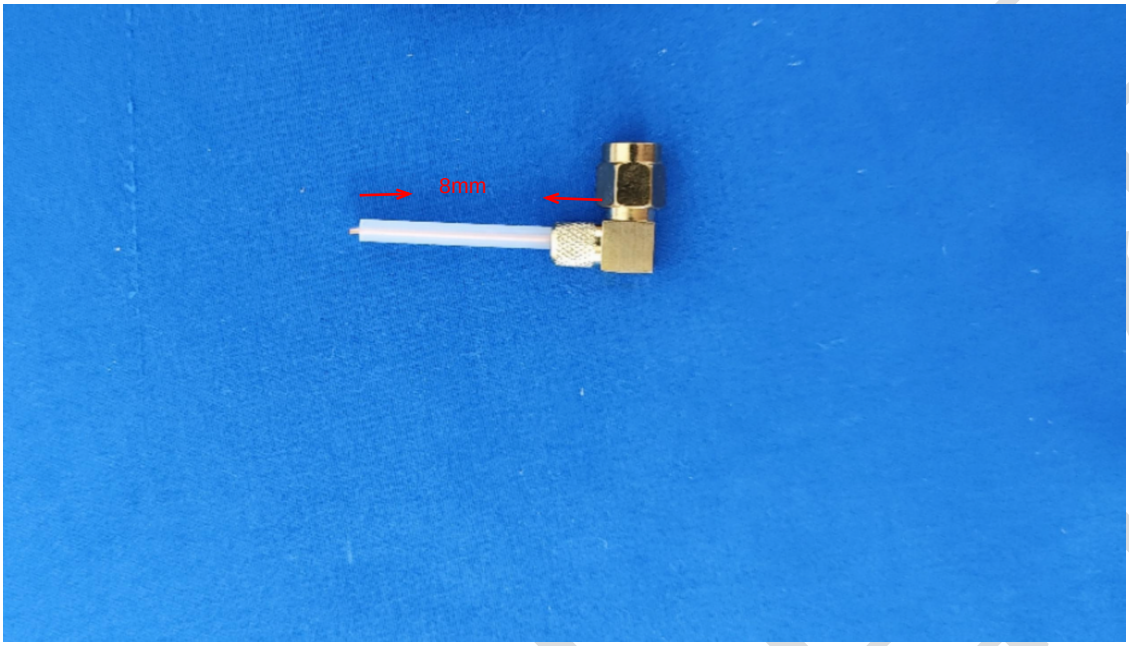
Working Frequency Range	2400 ~2500 MHz
Bandwidth	84 (Min.)
Peak Gain	1.6 dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(℃)	-40 ~85℃
Resistance to Soldering Heats	10sec. (@ 280℃)
Termination	Ni / Au (Leadless)

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

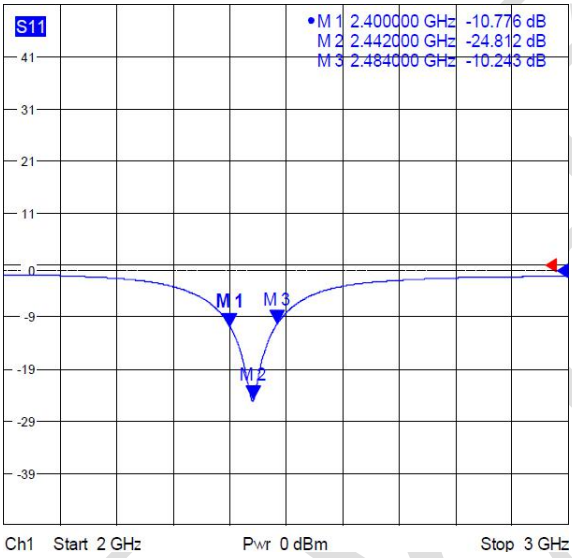
lead-free RoHS compliant


8mm

Electrical Characteristics

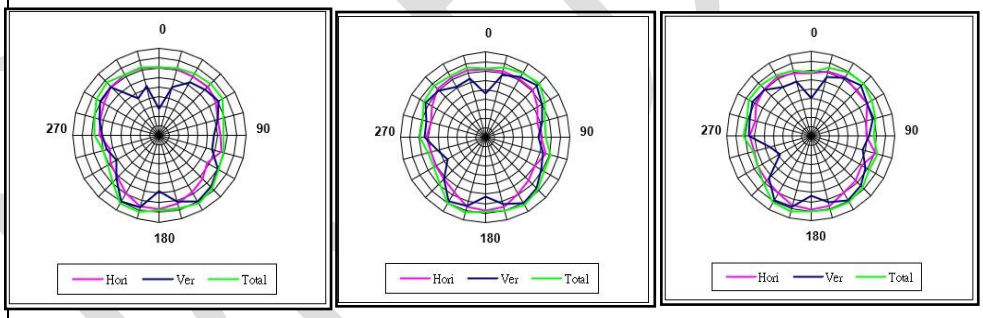
Return Loss & Radiation

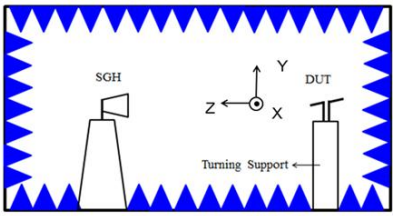
Return Loss



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

Radiation



Max：5
Min：-40
Scale：5/div

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