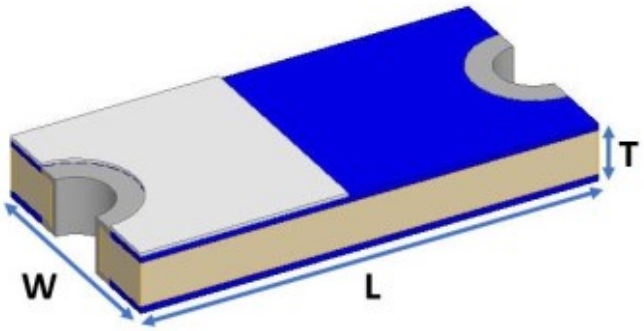
ONEWAVE

3216 Chip antenna

For Bluetooth / WLAN Applications



P/N: WAN3216F245H08

	Dimension (mm)
L	3.23 ± 0.20
W	1.66 ± 0.20
T	0.45 ± 0.20

ONEWAVE

Part Number Information

WAN	3216	F	245	H	08
A	B	C	D	E	F

A	Product Series	Antenna
B	Dimension L x W	3.2 x 1.6mm (±0.2mm)
C	Material	High K material
D	Working Frequency	2.4 ~ 2.5GHz
E	Feeding mode	PIFA & Single Feeding
F	Antenna type	Type = 08

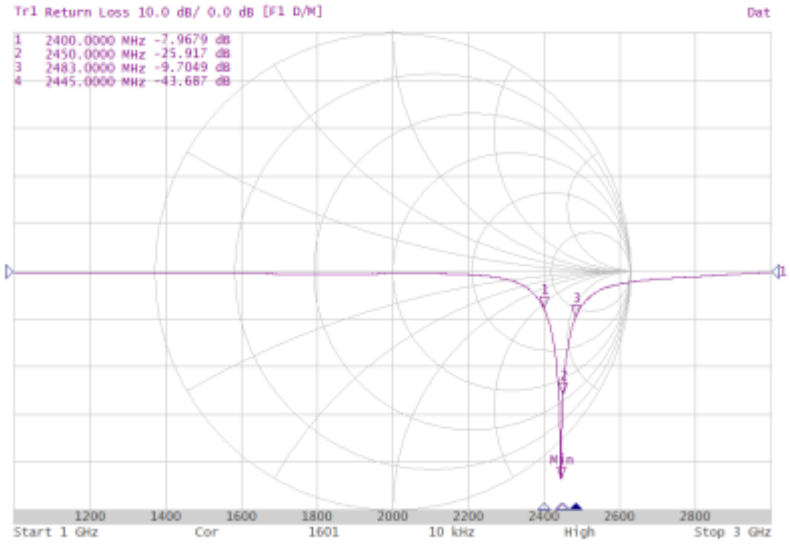
1. Electrical Specification

Specification		
Part Number	WAN3216F245H08	
Central Frequency	2450	MHz
Bandwidth	120 (Min.)	MHz
Return Loss	-6.5 (Max)	dB
Peak Gain	1.75	dBi
Impedance	50	Ohm
Operating Temperature	-40～+110	℃
Maximum Power	4	W
Resistance to Soldering Heats	10 (@ 260℃)	sec.
Polarization	Linear	
Azimuth Beamwidth	Omni-directional	
Termination	Cu / Sn (Leadless)	

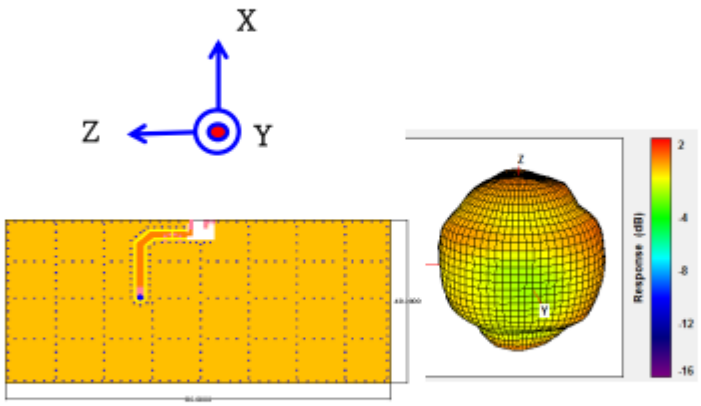
Remark : Bandwidth & Peak Gain was measured under evaluation board of next page

3. Measurement Results

Return Loss



Radiation Pattern



	Efficiency	Peak Gain	Directivity
2400MHz	81.46%	1.67 dBi	2.56 dBi
2450MHz	84.75%	1.75 dBi	2.46 dBi
2500MHz	82.68%	1.70 dBi	2.52 dBi

Chamber Coordinate System