



## Explanation of Part Number

WPSMLANT 016 A □  
(1) (2) (3) (4)

- (1) **Product Series** WPSMLANT
- (2) **Product No.** 016
- (3) **Type Identifier**  
A: 2.45GHz
- (4) **Packaging Code**  
Blank: Bulk  
T: 7" Reel, 1000 pieces per reel  
G: 10" Reel (Specifications available upon request)  
X: SFC Product (Specifications available upon request)

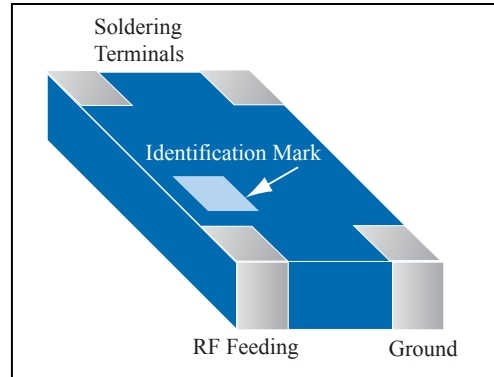
## Application

- Low Profile Bluetooth application includes earphone, SD I/O interface.
- Wireless LAN 802.11b/g, Dongle, USB interface, Compact Flash Card.
- ISM band 2.4GHz applications.

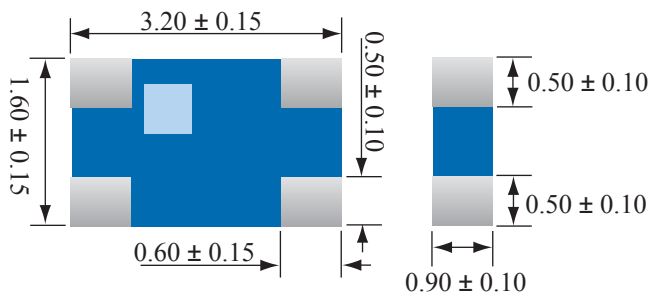
## Quick Reference Data

Item	Property
Working Frequency	2.45GHz
Dimension	3.2* 1.6 * 0.9 mm
Bandwidth	100MHz (Typical)
Peak Gain (Typical)	2 dBi max Average Gain (Typical) -1dBi
VSWR	2.0 max
Polarization	Linear
Pattern	Omni-directional
Impedance	50Ω

## Construction



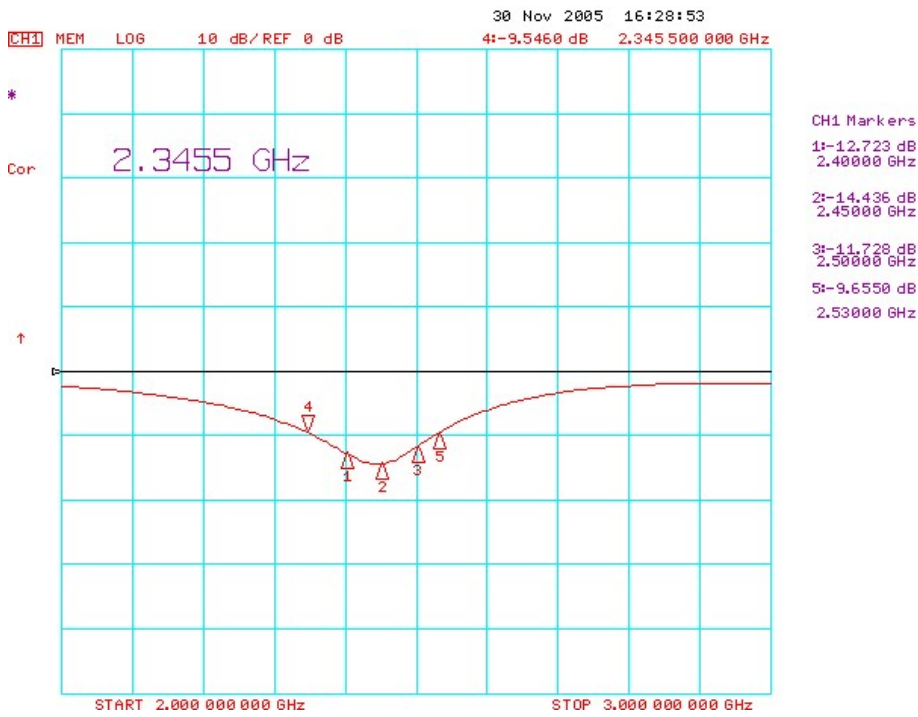
## Dimensional Data



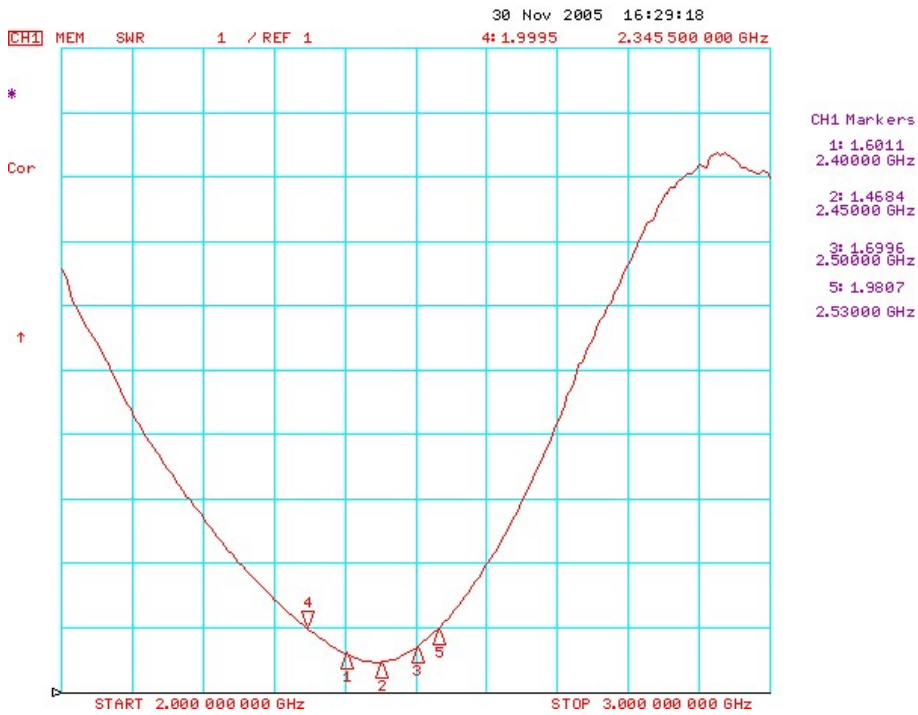
unit: mm



### Return Loss

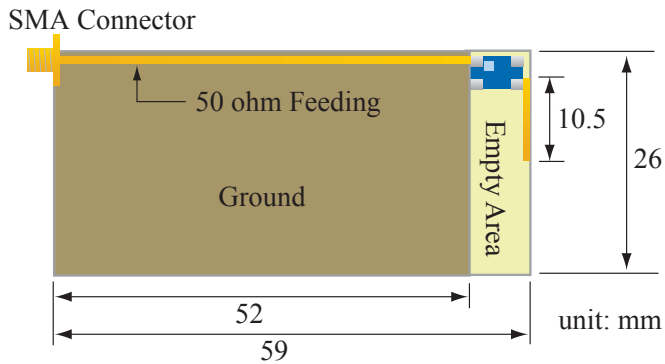


### V.S.W.R.





**Test Board**



**Radiation Pattern**

**Antenna Position: Horizontal**

Frequency: 2.45GHz

Peak Gain: 1.28dBi

Average Gain: -2.64dBi

**Antenna Position: Vertical**

Frequency: 2.45GHz

Peak Gain: 5.21dBi

Average Gain: 2.02dBi

