

ANTENNA

2.4 GHz ISM Band Frequency

*Contents in this sheet are subject to change without prior notice

Descriptions

This embedded antenna is designed for 2.4GHz ISM Band. Both of wireless Lan IEEE 802.11b/g/n ,Bluetooth and Zigbee .This Antenna provides a high efficiency and a good performance.

Features

The D24G3 Embedded Antenna is defined by the following features:

- IEEE 802.11 b/g/n standards
- 3.1dBi peak gain @2.44Ghz
- Cable route and Case mount
- Easy integration

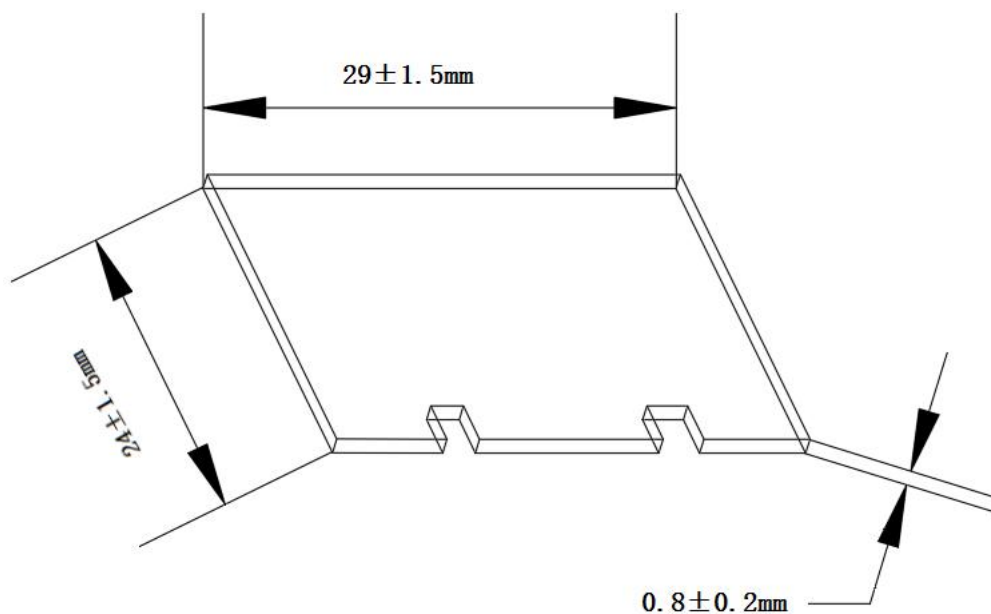
Applications

- Wireless LAN
- ISM band 2.4GHz wireless applications
- Bluetooth
- Zigbee

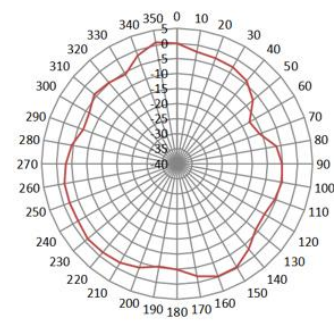
Electrical Specifications

Standard	IEEE 802.11 b/g/n standards
Frequency range	2.4 GHz to 2.5 GHz
Peak gain	3.1dBi @ 2.44 GHz
VSWR	< 2:1
Feed impedance	50 ohms
Power handling	30 dBm
Interface	50 ohms, 1.13 mm diameter, micro coax cable (available with optional U.FL-compatible cable connector and/or cable- mounted EMI ferrites)
Antenna dimensions	29mm X24mm X 0.8mm (LxWxH)
Temperature range	Operating: -40° C to +75° C (-40° F to +167° F) Storage: -40° C to +85° C (-40° F to +185° F)
Humidity range	0% to 95% non-condensing

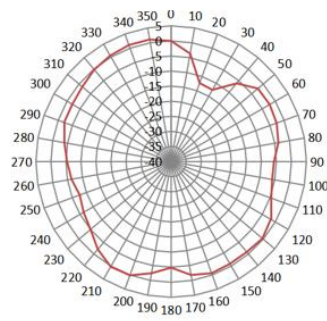
Dimensions



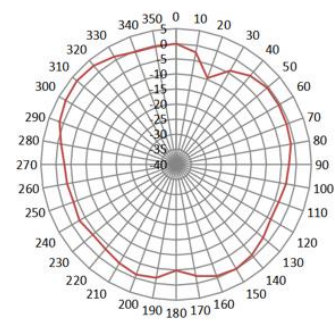
Radiation Pattern



Phi=0



Phi=90



Theta=90

2.44GHz Radiation Pattern

Frequency (MHz)	Peak gain (dBi)
2410	2.97052
2420	2.99002
2430	3.05065
2440	3.10548
2450	3.19442
2460	3.27184
2470	3.02358
2480	3.12531
2490	3.22531
AVG	3.106347778

Gain Frequency list

D24G3 CABLE LENGTH INFORMATION

