



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DATA SHEET

WIRELESS COMPONENTS

Ceramic Patch Antenna
ANT1212B00BT2400S

2.4 GHz

SMD 12 × 12 × 4 mm



FEATURES

- High radiation efficiency
- Reflow process compatible
- RoHS compliant

APPLICATIONS

- Navigation device
- Telematics box
- Fleet management

ORDERING INFORMATION

All part numbers are identified by the series, packing type, material, size, antenna type, working frequency and packing quantity.

PART NUMBER

ANT I2I2 B 00B T 2400S
 (1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

I2I2 = 12 × 12 mm

(3) ANTENNA TYPE

B = Bulk Antenna

(4) SERIAL NO.

00B

(5) PACKING STYLE

T = Tray packing

(6) WORKING FREQUENCY

2400= 2.4 GHz

PHYCOMP CTC

CAN43934220B2451B

I2NC

43934220B245

SPECIFICATION

Table I

DESCRIPTION	VALUE
Centre Frequency	2400 - 2500 MHz
Bandwidth	90 MHz (@-7dB)
Gain	4.0 dBic (Typ.)
VSWR	3 Max.
Polarization	Right Hand Circular Polarization
Impedance	50Ω
Operating Temperature	-30~85 °C

NOTE

1. Based on 50×50 mm² square ground plane.
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
3. Please contact local sales if you need customized design to gain optimum antenna performance.

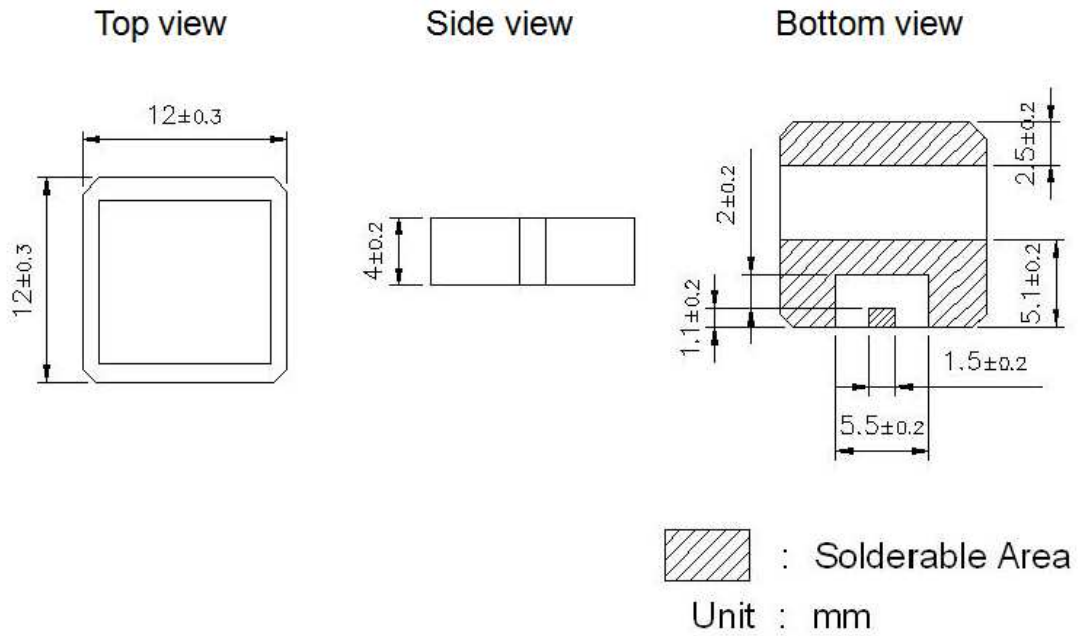


Fig. 1 Mechanical Data

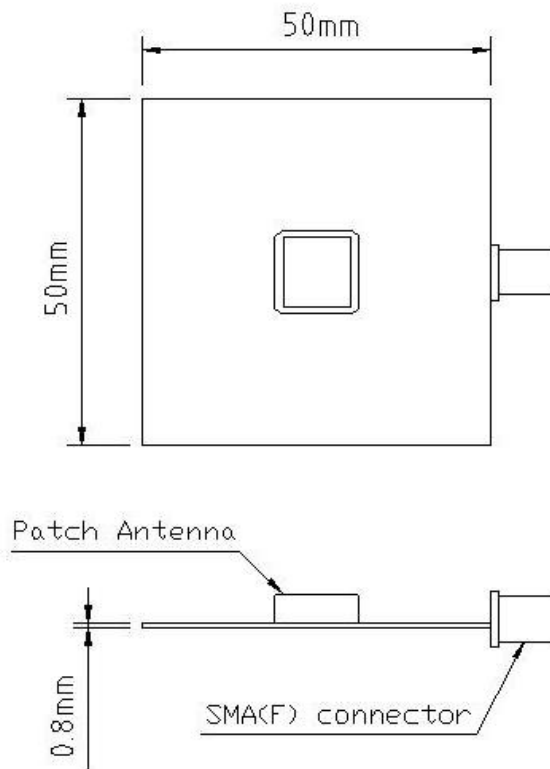
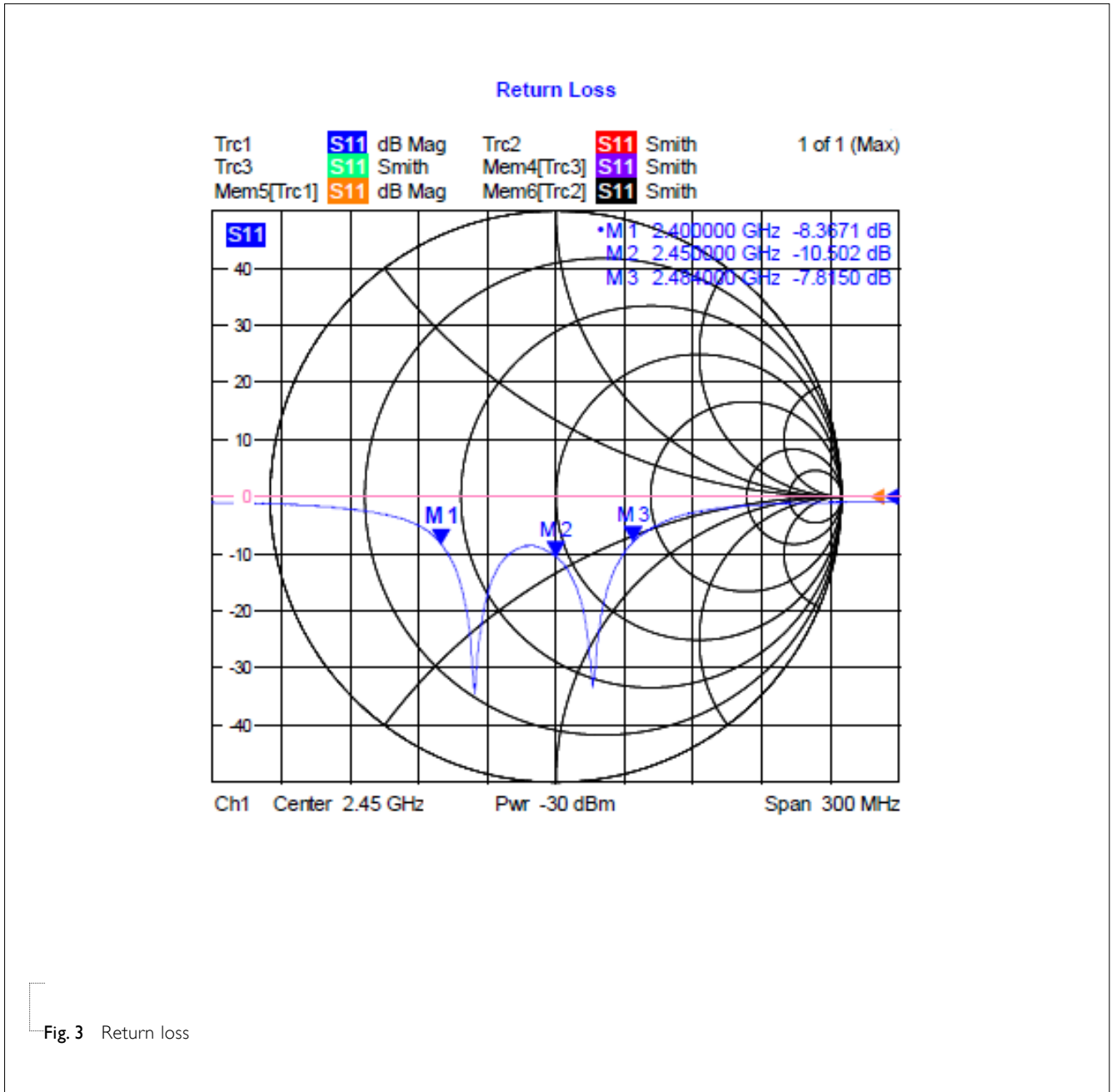
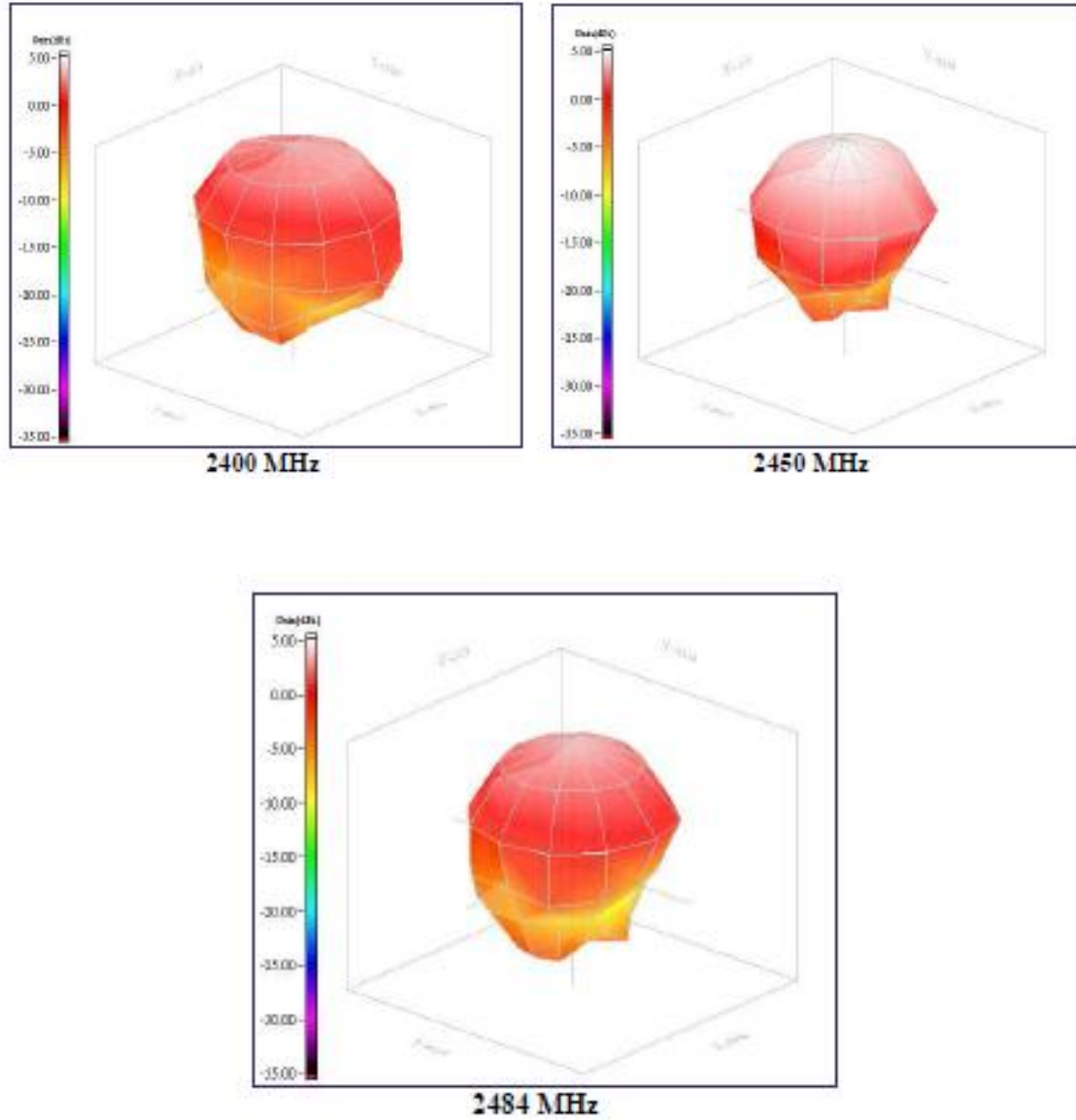


Fig. 2 Evaluation Board

ELECTRICAL PERFORMANCES





3D radiation pattern

Fig. 4 Radiation Pattern (Frequency = 2400MHz)

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Aug. 26, 2016	-	- New data sheet for Patch antenna, SMD Feed size 12×12×4 mm