

Product Specification¹ (Preliminary)

Central Frequency	5.265 GHz*
Bandwidth	210 MHz**
Frequency Range	5.160 ~ 5.370 GHz**
Gain	5 dBi Max**
VSWR	2.0 max
Polarization	Linear Polarization
Impedance	50Ω
Operating Temperature	-55~125 °C

** Based on ground size 15 * 10 mm size

Figure	Dimension	Remark	
	S1	0.5±0.15mm	---
	D1	9.0±0.15 mm	---
	D2	4.0±0.15 mm	---
	D3	6.0±0.15 mm	---
	D4	9.0±0.15 mm	---
	F1	1.0±0.15 mm	Feed Pad
	F2	0.4±0.15mm	Feed Pad
	F3	4.0±0.15 mm	Feed Pad

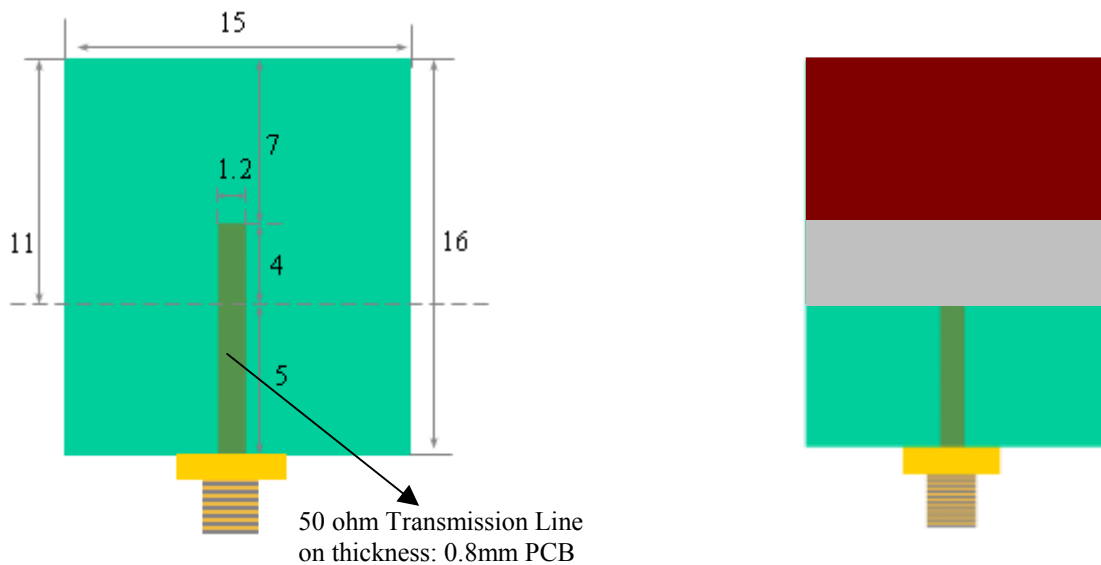
R&D	Print date 01/12/13				Preliminary use only			
	Ceramic Dielectric Resonance Antenna for IEEE 802.11a 5.2GHz				4313 213 06158		2001-3-29	
							2001-6-19 2001-7-10	
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2.Mechanical Data

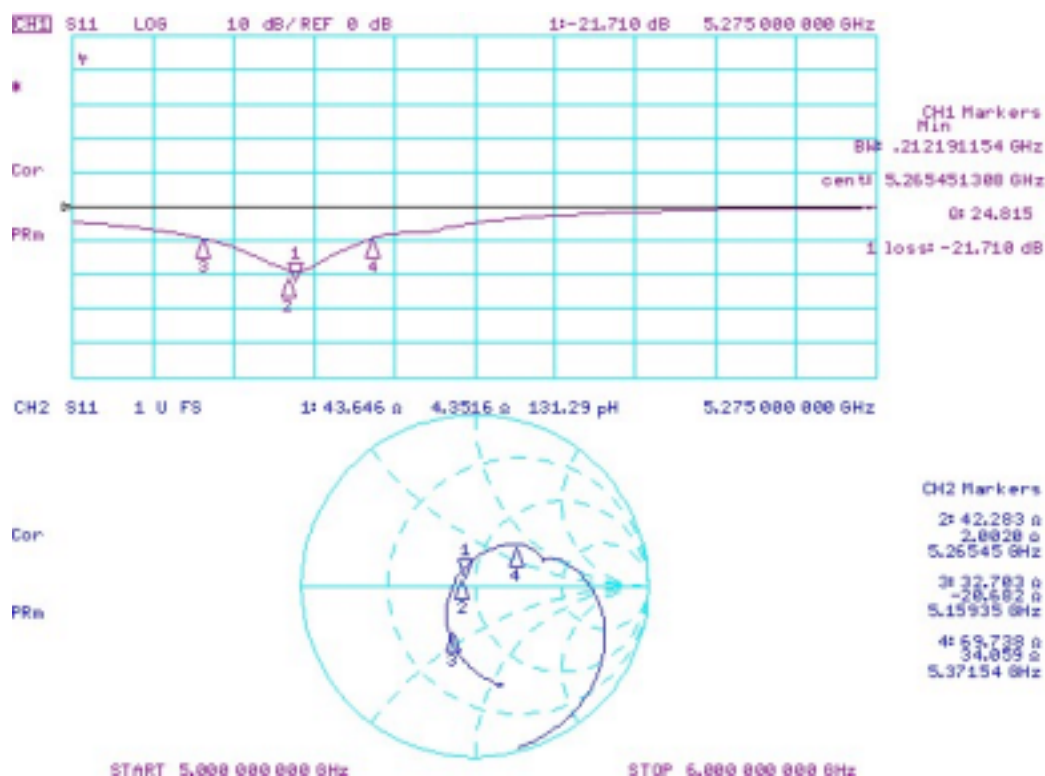
Figure	Dimension	Port
Back View Top View	L W T F1 F2 S1 D1 D2 D3 D4	10.0±0.1 mm 10.0±0.1 mm 2.4±0.15 mm 1.0±0.15 mm 3.0±0.15 mm 0.5±0.15 mm 4.0±0.15 mm 9.0±0.15 mm 6.0±0.15 mm 4.0±0.15 mm
	---	Feed Pad
	---	Feed Pad
	---	Solder Pad
	Solder Pad	---

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3. Test Board Dimension (Unit: mm)



4. Return Loss and Smith Chart on Test Board



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ORDERING INFORMATION: 12NC Ordering Code

The CP mode GPS antennas may be ordered by using the 12 NC ordering code. These code numbers can be determined by the following rules:

43 13 2 13 06 158
F C MS T A

F. Family Code

43 = Antenna

C. Packing Type Code

13 = bulk packaging, 1000 pcs

M. Materials Code

2 = High Frequency Material

S. Size Code

13 = 12 * 12 * 4 mm

T. Tolerance

06 = 6 M Hz Band Width

A. Working Frequency

158 = 1.58 GHz

Example: 12NC

4313 213 06158

Product description: Antenna (43) by 1000 pcs bulk (13) of High Frequency Material (2), Size 12*12*4 mm (13);

Tolerance (06) of 6 MHz Band Width (VSWR<2)

Working Frequency (158) = 1.58G Hz

ORDERING INFORMATION: Method II- by Clear Text Code (Temporary)

The antennas may be ordered by using the 16-digit clear text ordering code. These code numbers can be determined by the following rules:

AN1580069012121B (Clear Text Code Example)						
AN	1580	06	90	1212	1	B
Product	Central Freq.	Bandwidth	Material	Size	Quantities	Packing
AN= Antenna	1580=1.58GHz	06= 6MHz	90=K90	1212=12*12*4 mm	1 = 1K	B = Bulk

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