

ANTENNA PRODUCTS

DATA SHEET

1.575 GHz Circular Polarized Pin Feed Ceramic GPS Antenna (25*25*4 mm)

2006 August. 28 Rev.1

25*25*4 mm Pin Feed Ceramic Antenna for GPS Application				CAN4313425031581B				— ▶	1	Aug.. 28, 06	
								— ▶	2	Nov, 06	
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BY / 製定者	Sunwiun.hu	SUPER / 原圖編號	C.T. Lee	TLL.SH / 共頁	8	PAGE/ 頁	1	SH nr.	— ▶	4	
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**CERAMIC ANTENNA (CIRCULAR POLARIZATION PIN FEED TYPE)
FOR GLOBAL POSITIONING SYSTEMS (GPS) (1.575G Hz)**

Product Specification¹

QUICK REFERENCE DATA

Central Frequency	1.575 GHz*
Bandwidth	20 MHz min.**
Gain	3 dBic Max***
VSWR	2.0 max
Polarization	Right Hand Circular Polarization
Axial Ratio	3dB
Impedance	50Ω
Operating Temperature	-55~125 °C

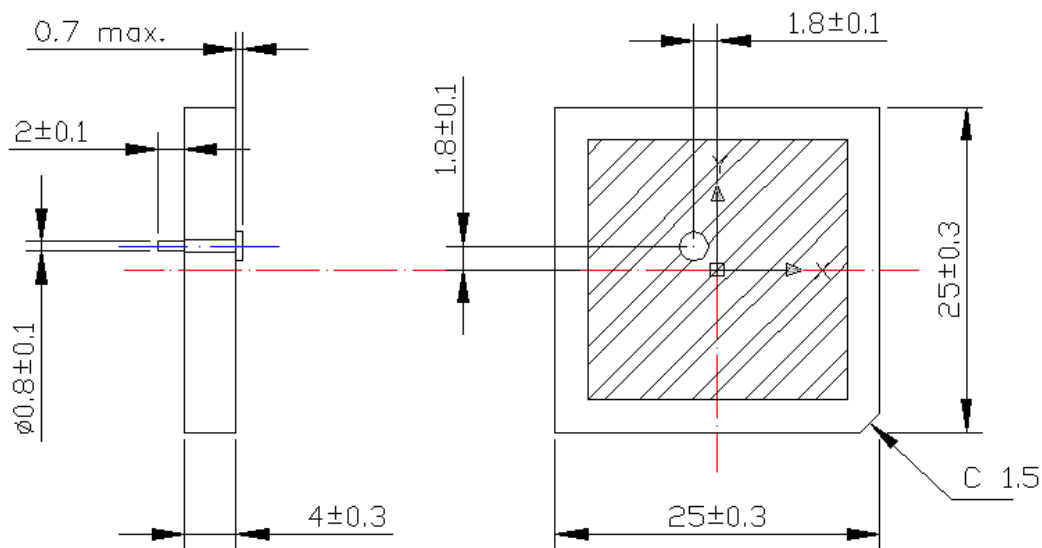


* Central frequency will shift 5 MHz down when a non-metal cover is placed

** Return loss ≤ -10dB.

*** Based on 70 * 70 mm ground plane

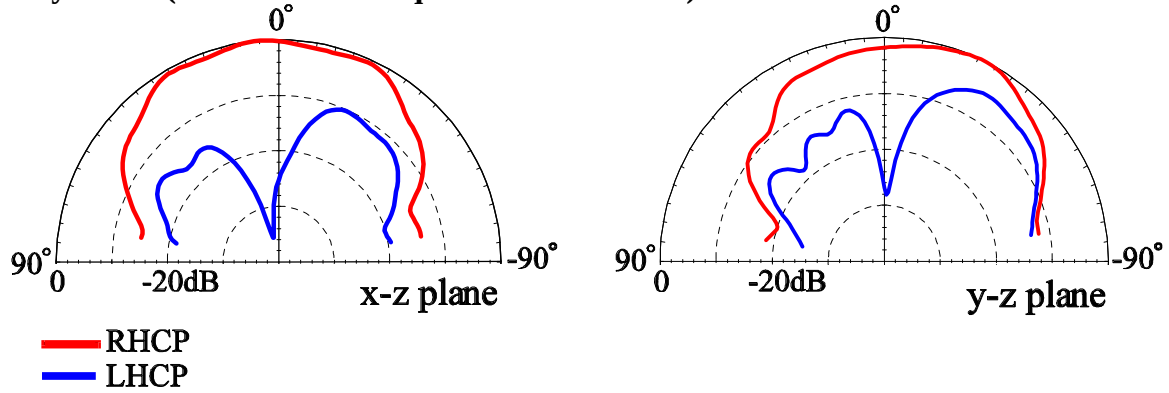
MECHANICAL DATA (25 * 25 * 4 mm)



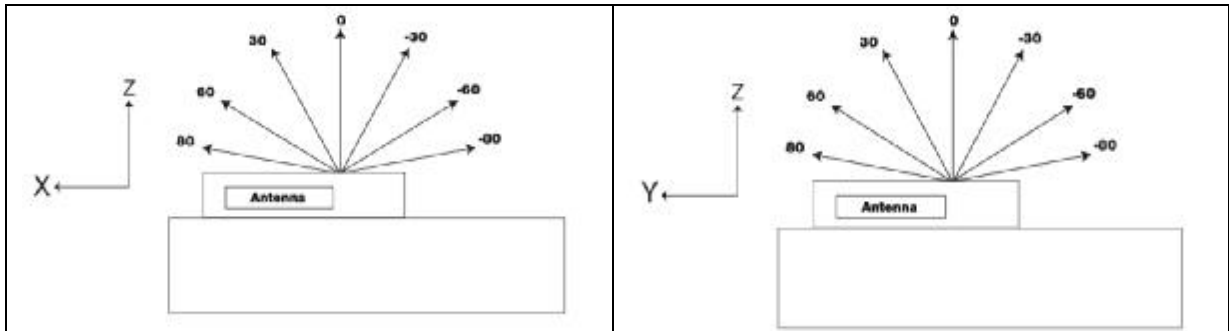
¹ All the technical data and information contained herein are subject to change without prior notice

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Directivity Chart (with 30*30 mm square Ground Plane)



f = 1575 MHz



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for GPS Application

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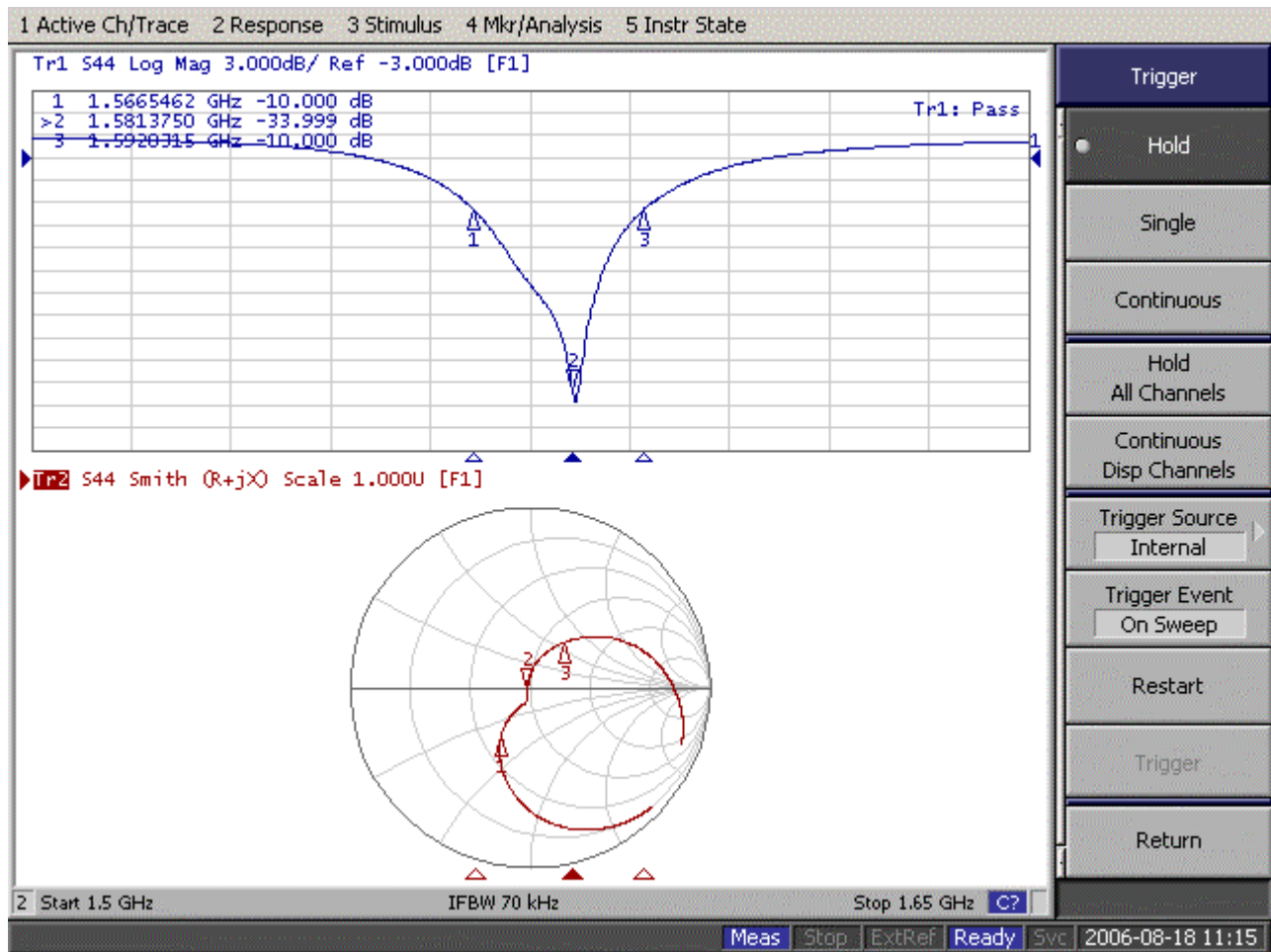
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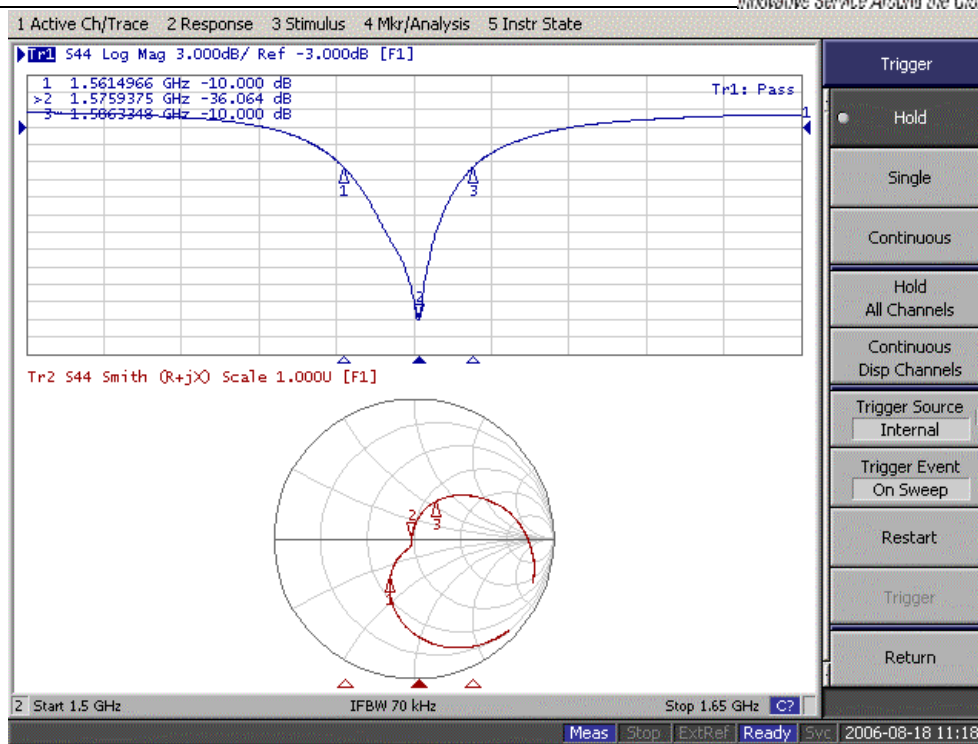
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Return Loss and Smith Chart (with 70 * 70 mm square Ground Plane)

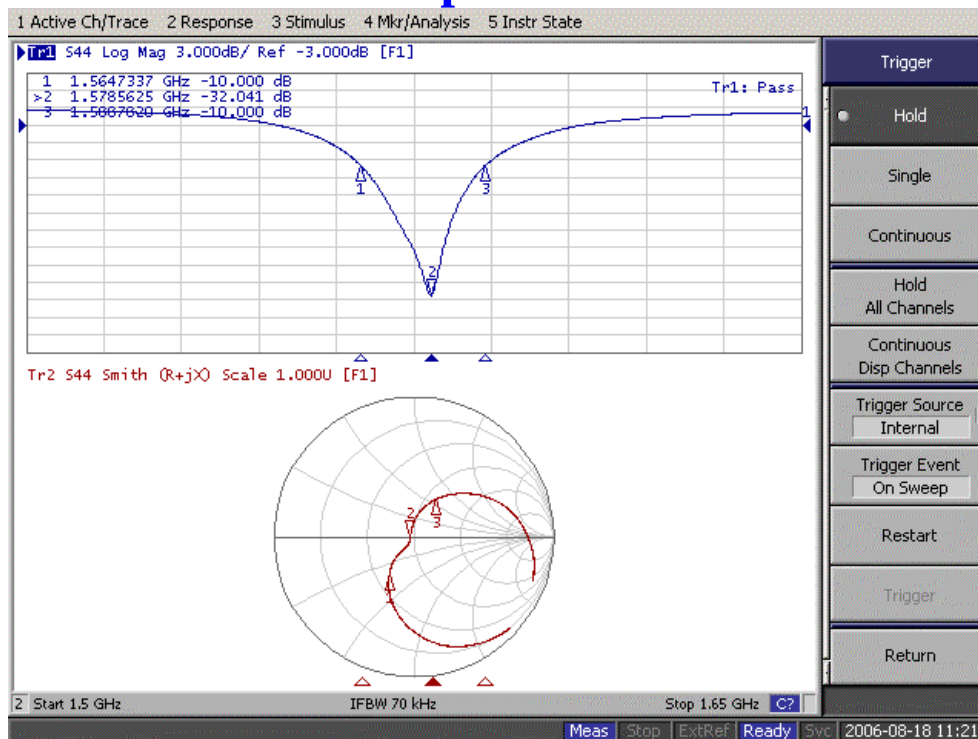


No tape

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With tape and Liner



With tape but without Liner

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ORDERING INFORMATION: 12NC Ordering Code

The antennas may be ordered by using the Yageo ordering code. These code numbers can be determined by the following rules:

CAN 43 13 4 25 03 158 1B
F C M S T A P

F. Family Code

CAN 43 = Antenna

C. Packing Type Code

13 = bulk packing

M. Materials Code

4 = High Frequency Material

S. Size Code

25 = 25 * 25 mm

T. Type

03 = Pin Feed Type 3

A. Working Frequency

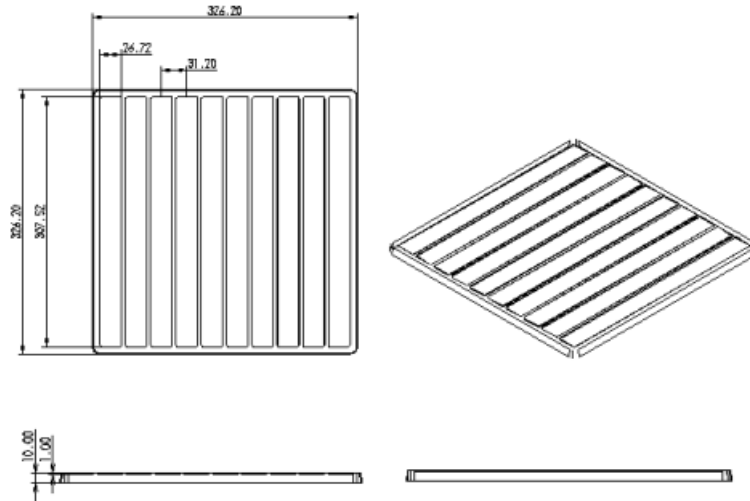
158 = 1.575GHz

Packing Type Code

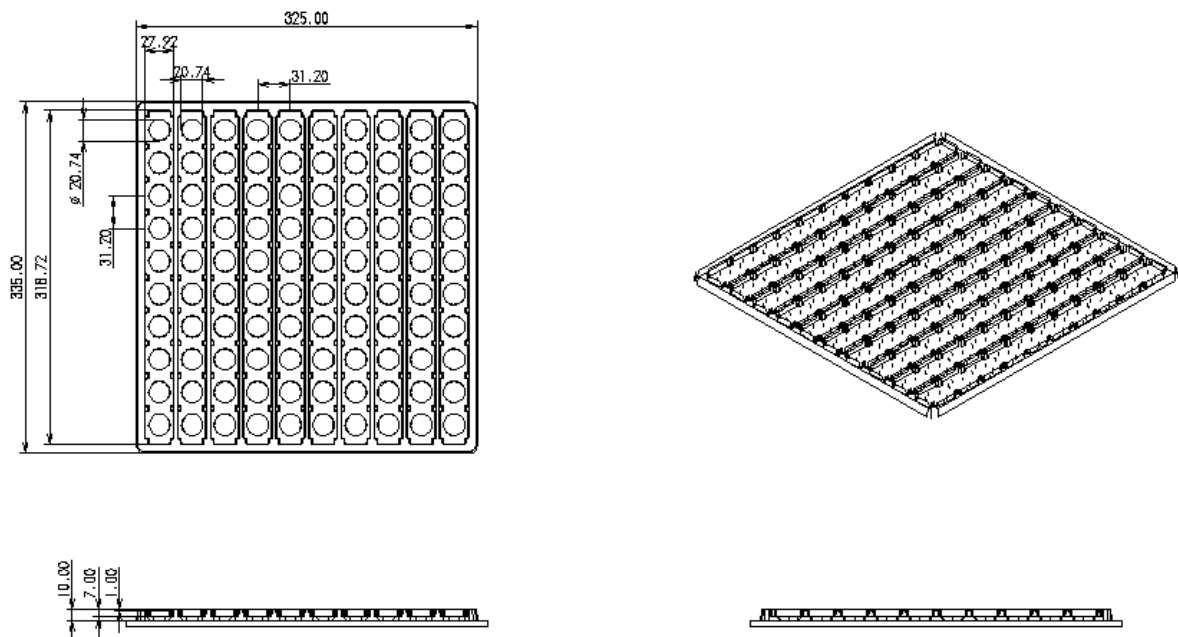
1B = bulk packing

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Packing Information



Cover Tray



Bottom Tray

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Revision Control:

Revision	Date	Content	Remark
	Aug. 28, 2006	New Issued	
	Nov, 2006	Modify the packing tray	

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