

4

## **2.** Features

- \*Stable and reliable in performances
- \*Low temperature coefficient of frequency
- \*Compact size
- \*RoHS compliance

## **3.** Applications

\*Navigation systems or position tracking systems

\*Hand-held devices when GPS function is needed, e.g., PDA, Smart phone, PND.

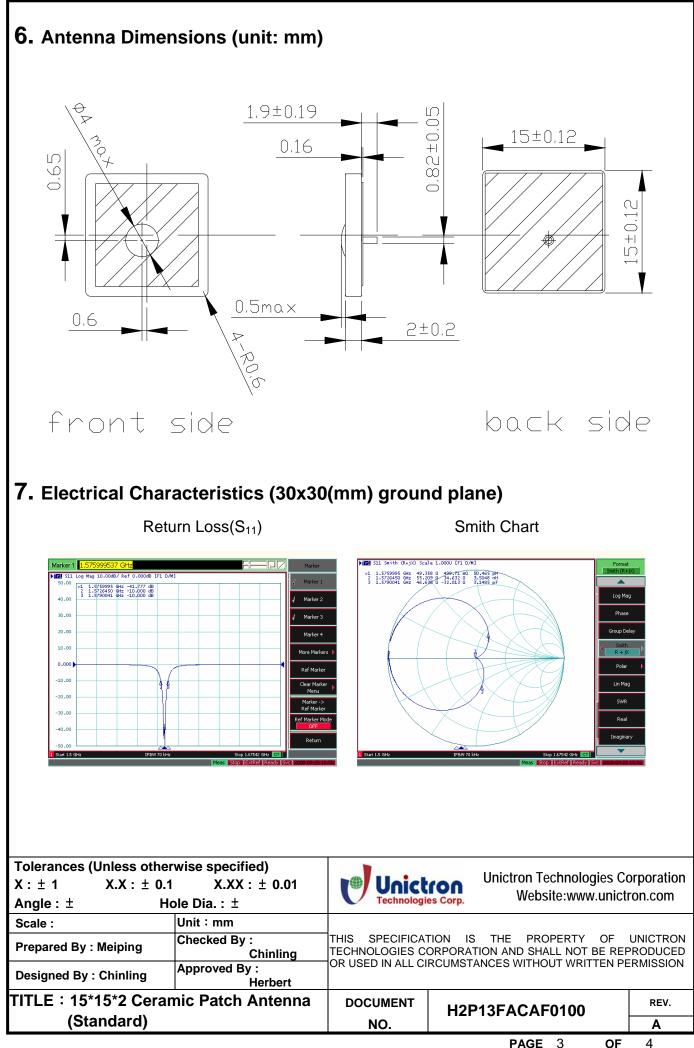
## 4. Description

Unictron's patch antenna series are ceramic antennas specially designed for GPS application. This ceramic patch antenna has excellent stability and sensitivity through the use of high performance proprietary ceramic materials and processes.

## 5. Electrical Specifications (30x30(mm) ground plane)

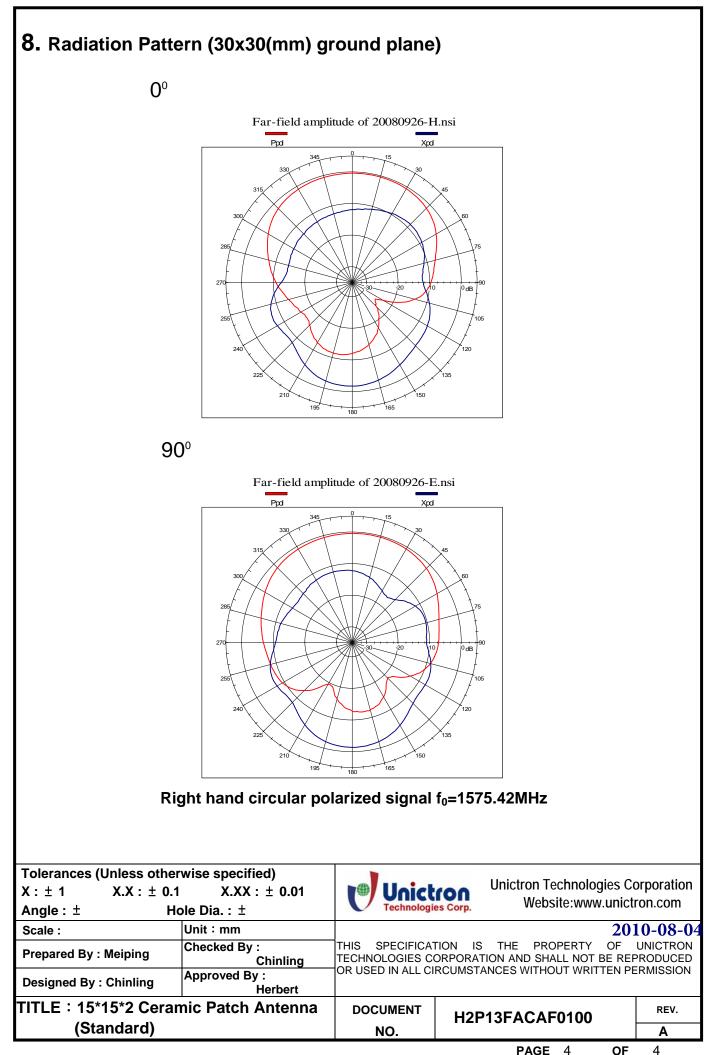
Characteristics		Specifications		Uni	it
Outline Dimensions		15×15×2		mn	า
Ground Plane		30×30		mn	า
Center Frequency*		1575.42 <u>+</u> 2		MH	z
Bandwidth (under -10dB return loss)		5 min.		MH	z
VSWR		2 max.			
Impedance			50	Ω	
Polarization		RHCP			
Gain	@Zenith	0.8	(typical)	dBic	
	@10° Elevation	-7.9			
Temperature Coefficient of Frequency			20 max 20℃~80℃)	ppm/°C	
*Center frequency will be offset to working frequency according to the conditions of user's ground plane and radome.					
Tolerances (Unless otherwise specified)X : ± 1X.X : ± 0.1X.XX : ± 0.01Angle : ±Hole Dia. : ±		Unictron Technologies Corporation Website:www.unictron.com			
Scale : Unit : mm					
Prepared By : Meiping Chinling		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Designed By : Chinling	Approved By : Herbert				NUISSIUN
TITLE : 15*15*2 Ceramic Patch Antenna		DOCUMENT	H2P13FACAF0100		REV.
(Standard)		NO.			Α

4



PAGE 3

OF



PAGE 4 OF