

## 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 (25x25(mm) ground plane)

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Characteristics		Specifications		Unit	
Outline Dimensions		12×12×6		mm	
Ground Plane		25×25		mm	
Center Frequency*		1575.42 <u>+</u> 2		MHz	
Bandwidth (under -10dB return loss)		6.5 min.		MHz	
VSWR		1.5 max.			
Impedance		50		Ω	
Polarization		RHCP			
Gain	@Zenith	-2.1	(typical)	dBic	
	@10°Elevation	-7.0	(typical)		
Temperature Coefficient of Frequency		0±20 max (@ -20℃~80℃)		ppm/°C	
*Center frequency v ground plane and r	vill be offset to workin adome.	g frequency a	ccording to the con	ditions of user's	
Tolerances (Unless otherwise specified) $X : \pm 1$ $X.X : \pm 0.1$ $X.XX : \pm 0.01$ Angle : $\pm$ Hole Dia. : $\pm$		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			
Designed By : Chinling Approved By : Herbert		OR USED IN ALL CIRCUMSTANCES WITHOUT W		NRII FEN PERMISSION	
TITLE : 12*12*6 Ceramic Patch Antenna		DOCUMENT	H2P13HAEAG0200		
(Standard)		NO.		C	

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