

## 1587 MHz GPS Patch Antenna

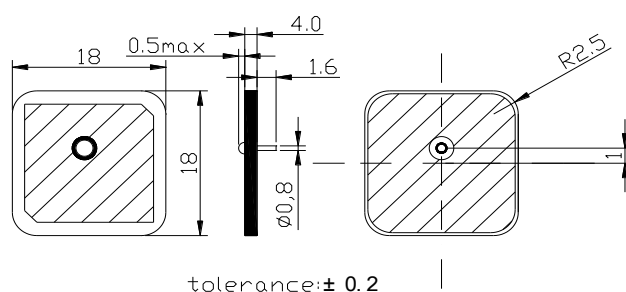
### Key Features:

Center Frequency: 1587 MHz (+/-3 MHz)  
Gain: 2.5 dBi  
Reliability: MTBF=1x10-6/pc.hr  
Package Size: 18 x 18 x 4 mm

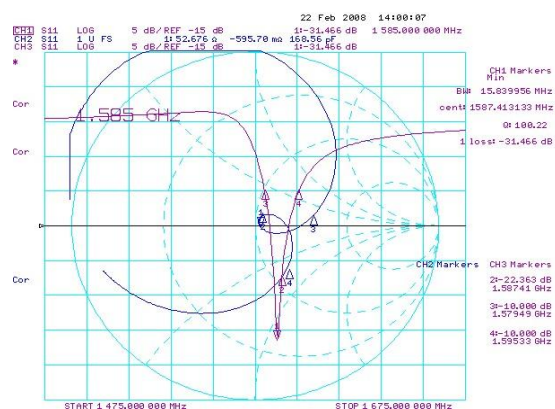
### Electrical Specifications<sup>1</sup>: (at +25°C)

Testing Item	Test Constraints	Min	Nom	Max	Unit
Center Frequency (Fo)	with 50x50 mm ground plane		1587		MHz
Frequency Bandwidth (BW)	Return loss $\leq$ -10dB	10			MHz
VSWR	at center frequency			1.5:1	
Gain (Zenith)	with 70x70 mm ground plane		2.5		dBi
Axial Ratio				5	dB
Polarization			RHCP		
Impedance			50		ohms
Frequency Temperature Coefficient			0 $\pm$ 10		ppm/°C
Operating Temperature range		-40		+85	°C
Storage Temperature range		-40		+100	°C

### Outline Drawing (in mm)



### Characteristic curve



## Ordering Information

<b>Part Number</b>	<b>RANP1587A</b>
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<sup>1</sup> Specifications subject to change without notice

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Internal Richardson Document #	Origination Date: November 2007	Rev: 2A Date: March 2011	Page 1/2
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Internal Richardson Document #	Origination Date: November 2007	Rev: 2A Date: March 2011	Page 2/2
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