

## 1600 MHz GPS Patch Antenna



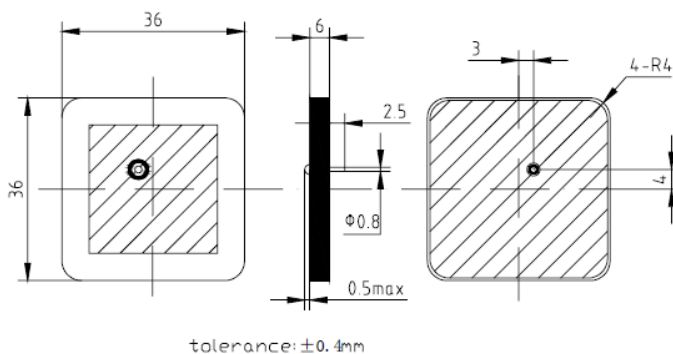
### Key Features:

Center Frequency: 1600 MHz (+/- 5 MHz)  
Gain: 5.0 dBi (min)  
Reliability: MTBF=1x10<sup>6</sup>/pc.hr  
Package Size: 36 x 36 x 6.0 mm

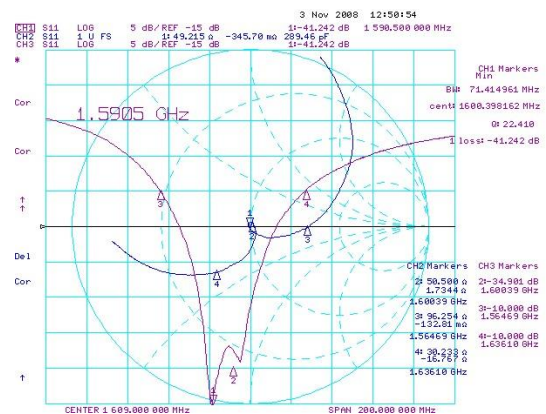
### Electrical Specifications: (at +25 °C)

Testing Item	Test Constraints	Min	Nom	Max	Unit
Center Frequency (Fo)	with 70x70 mm ground plane		1600		MHz
Frequency Bandwidth (BW)	Return loss ≤ -10dB	50			MHz
VSWR	at center frequency			1.5:1	
Gain (Zenith)	with 70x70 mm ground plane		5		dBi
Axial Ratio				4.5	dB
Polarization			RHCP		
Impedance			50		ohms
Frequency Temperature Coefficient			0±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>RANP1600C</b>
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Available exclusively from Richardson RFPD - 800-737-6937 (U.S. & Canada) - 630-208-2700 (International)  
Or visit [www.richardsonrfpd.com](http://www.richardsonrfpd.com). See important product notice on last page of this document.

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