

## 1581 MHz GPS Patch Antenna

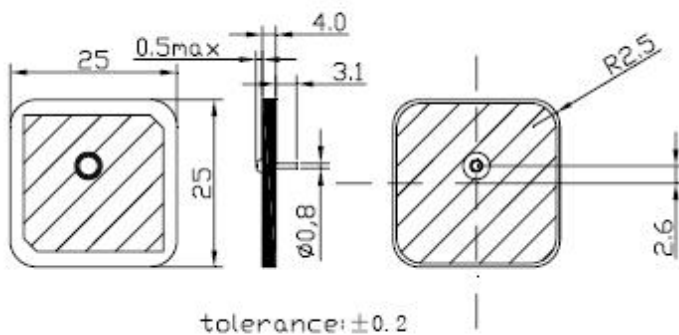
### Key Features:

Center Frequency:	1581 MHz (+/-2 MHz)
Gain:	4.5 dBi
Reliability:	MTBF=1x10 <sup>6</sup> /pc.hr
Package Size:	25 x 25 x 4 mm

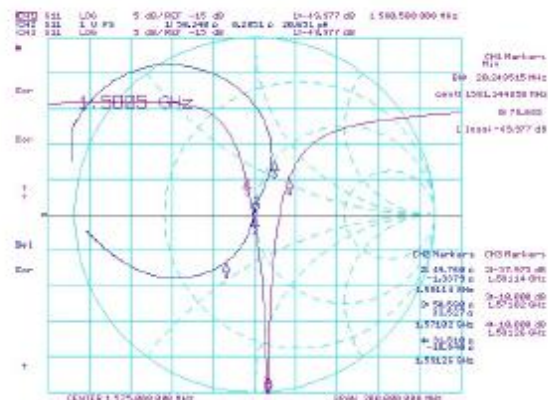
### Electrical Specifications<sup>1</sup>: (at +25°C)

Testing Item	Test Condition	Min	Nom	Max	Unit
Center Frequency (Fo)	with 70x70 mm ground plane		1581		MHz
Frequency Bandwidth (BW)	return loss ≤ -10dB	5			MHz
VSWR	at center frequency			1.5:1	
Gain (Zenith)	with 70x70 mm ground plane		4.5		dBi
Axial Ratio				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



<sup>1</sup> Specifications subject to change without notice

**Ordering Information**

<b>Part Number</b>	RANP1581B
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