

1590 MHz GPS Patch Antenna



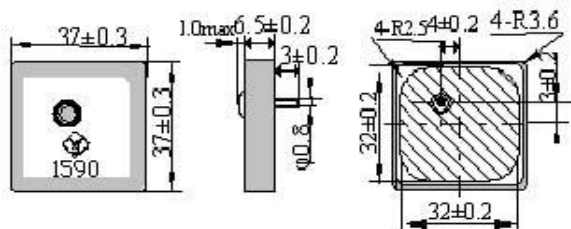
Key Features:

Center Frequency:	1590 MHz (+/-5 MHz)
Gain:	5.5 dBi (min)
Reliability:	MTBF=1x10 ⁶ /pc.hr
Package Size:	37 x 37 x 6.5 mm

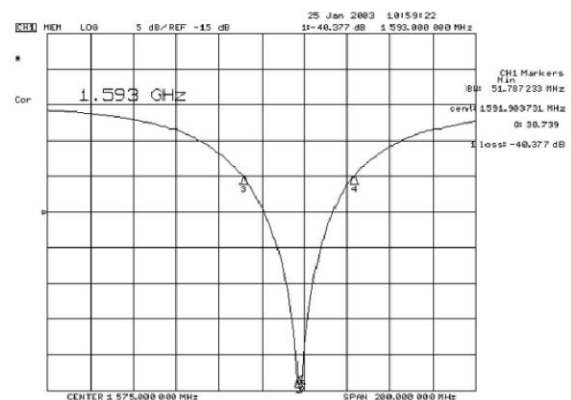
Electrical Specifications¹: (at +25°C)

Testing Item	Test Constraints	Min	Nom	Max	Unit
Center Frequency (Fo)	with 70x70 mm ground plane		1590		MHz
Frequency Bandwidth (BW)	Return loss ≤ -10dB	44			MHz
VSWR	at center frequency			1.5:1	
Gain (Zenith)	with 70x70 mm ground plane	5.5			dBi
Axial Ratio	(0 ~ 90°)			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

Part Number	RANP1590C
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¹ Specifications subject to change without notice

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