

1578 MHz GPS Patch Antenna

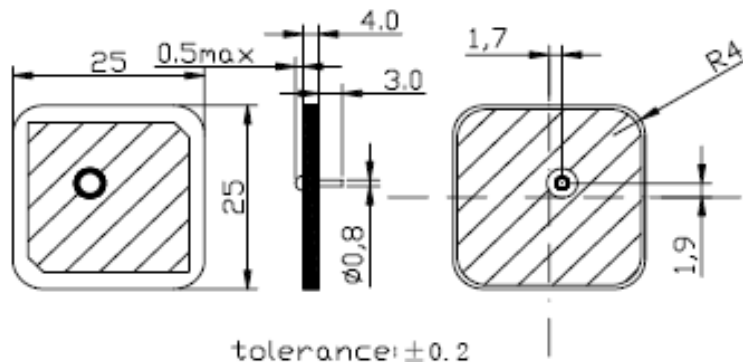
Key Features:

Center Frequency	1578MHz (+/-3 MHz)
Gain	4.5 dBi
Reliability	MTBF=1x10-6/pc. hr
Package size	25 x 4 mm

Product Specifications¹: (at +25°C)

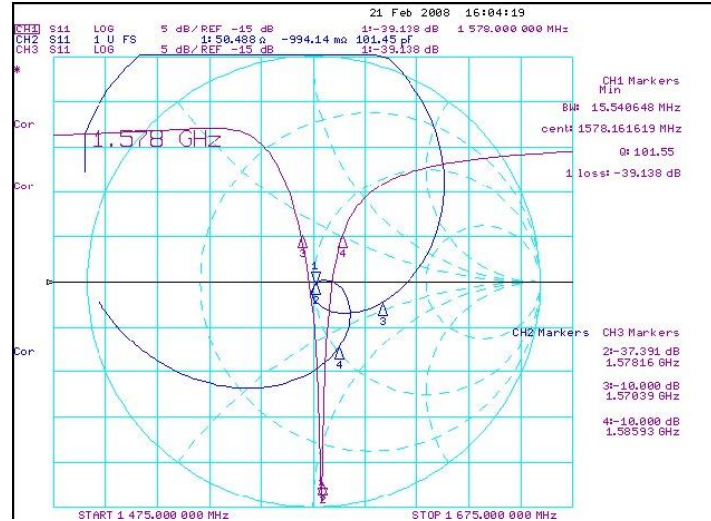
Testing Item	Test Condition	Min	Nom	Max	Unit
Center Frequency (Fo)	with 30x30 mm ground plane		1578		MHz
Frequency Bandwidth (BW)	return loss ≤ -10dB	12			MHz
VSWR	at center frequency			1.5:1	
Gain (Zenith)	with 70x70 mm ground plane		4.5		dBi
Axial Ratio				5	dB
Polarization			RHCP		
Impedance			50		ohms
Frequency Temperature Coefficient			0±10		ppm/ °C
Operating Temperature range		-40		+85	°C
Storage Temperature range		-40		+100	°C

Outline Drawing (in mm)



¹ Specifications are subject to change without notice.

Characteristic Curve



Ordering Information

Part Number	RANP1578A
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