



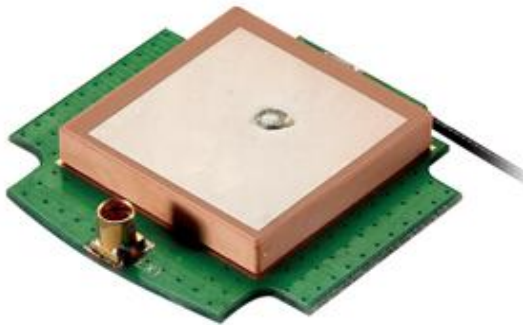
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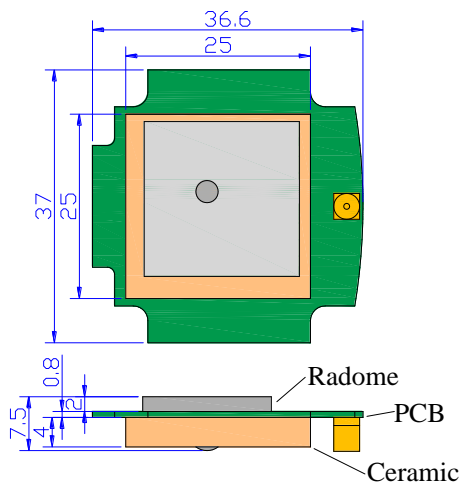
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GPS Internal Active Antenna

TOP-GPS-AI07



DIMENSIONS



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SPECIFICATIONS

Item		Specifications
Antenna	Center Frequency	$1575.42 \pm 3\text{MHz}$
	Band Width	$\text{CF} \pm 5\text{MHz}$
	Polarization	RHCP
	Gain	5dBic (Zenith)
	V.S.W.R	< 1.5
	Impedance	50Ω
	Axial Ratio	3dB (max)
	Dimension	25*25*4mm
LNA	Gain	$28 \pm 2\text{dB}$
	Noise Figure	< 1.5
	Filter Insertion Loss	$< 3\text{dB}$
	Ex-band Attenuation	12dB@CF+50MHz/16dB@CF-50MHz
	Supply Voltage	2.2~5V DC
	Current Consumption	5~15mA
	V.S.W.R	< 2.0
Mechanical	Cable	RF1.13 or others
	Connector	IPEX or others
Environmental	Operating Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
	Relative Humidity	Up to 75%
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

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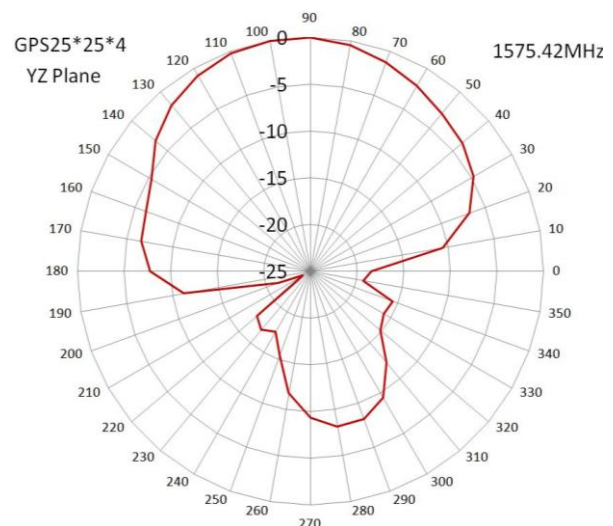
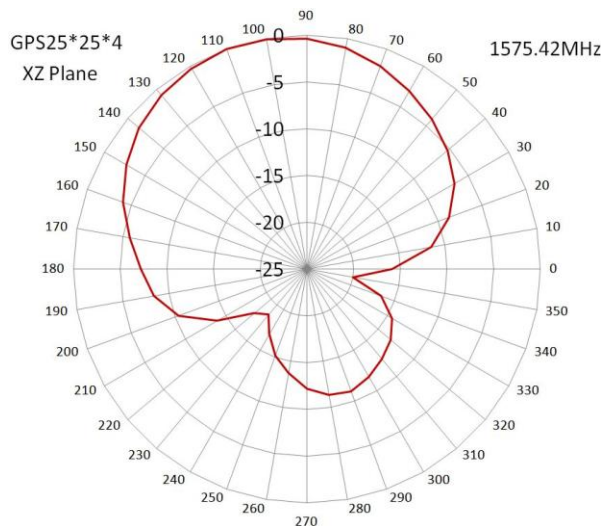
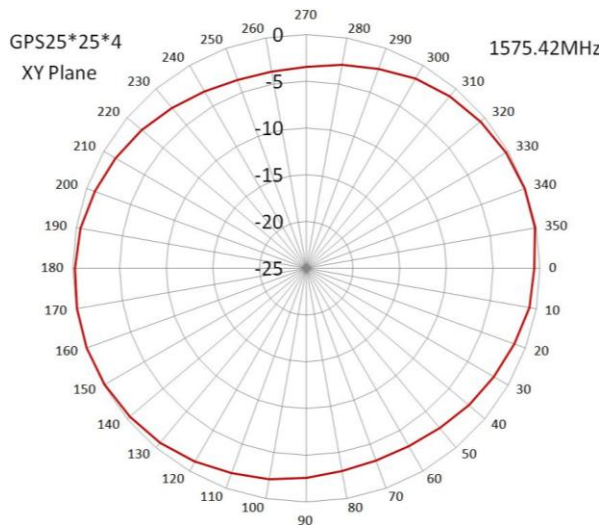


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Radiation Pattern



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