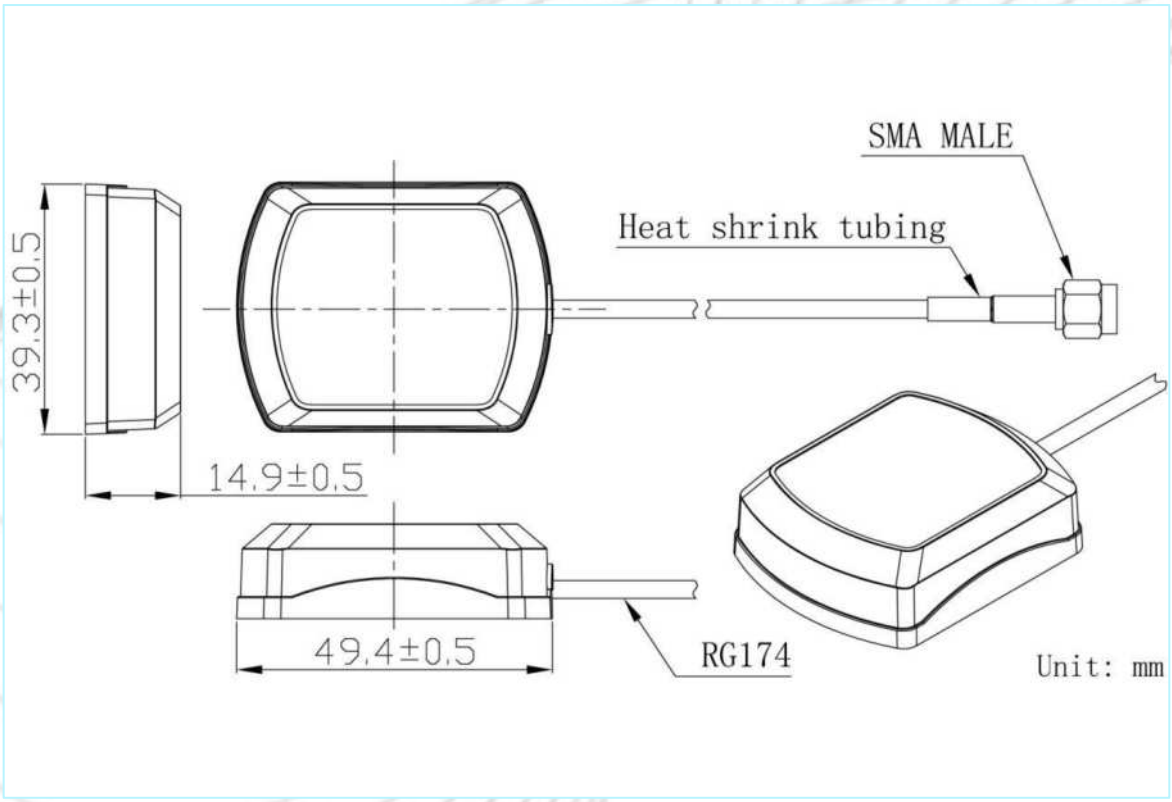
GPS Active Antenna

AN_GPS_A001_MCX



Mechanical Dimension



Suzhou maswell communication technology co. Ltd
Add:Floor 3, Building 6, No. 88 Zhenbei Road, High-tech District, Suzhou 215153, Jiangsu, China
Http ://www.maswelltech.com E-mail:Sales@maswelltech.com

MASWELL
迈斯维

GPS Active antenna

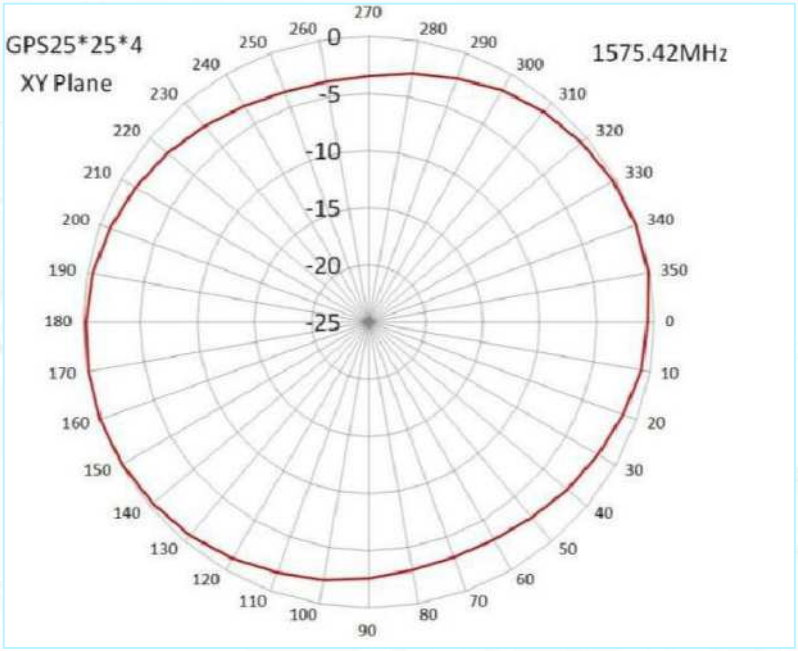
Specifications

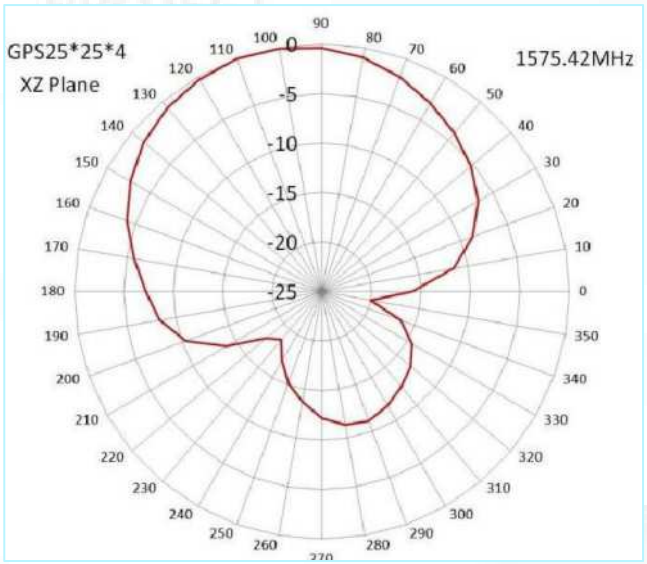
Item		Specifications
Antenna	Center Frequency	1575.42±3MHz
	Band Width	CF±5MHz
	Polarization	RHCP
	Gain	2dBic（Zenith）
	V.S.W.R	＜1.5
	Impendance	50Ω
	Axial Ratio	3dB（max）
	Dimension	39.3*49.4*14.9mm
LNA	Gain	28±2dB
	Noise Figure	＜1.5dB
	Filter Insertion Loss	＜3dB
	Ex-band Attenuation	12dB@CF+50MHz/16dB@CF-50MHz
	Supply Voltage	2.2~5V DC
	Current Consumption	＜15mA
	V.S.W.R	＜2.0
Mechanical	Cable	RG174
	Connector	MCX
	Radome Material	ABS
	Mounting Method	Magnet
Environmental	Operating Temperature	-40℃~+85℃
	Relative Humidity	Up to 95%
	Ingress Protection	IP66
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

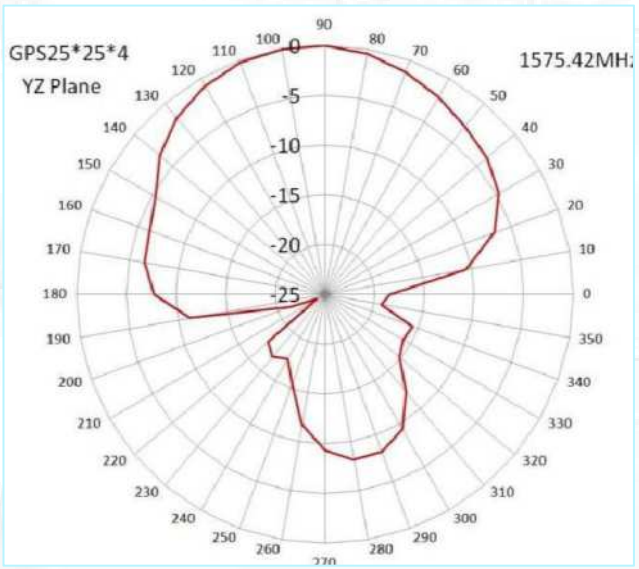
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GPS Active antenna

Radiation Patterns







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