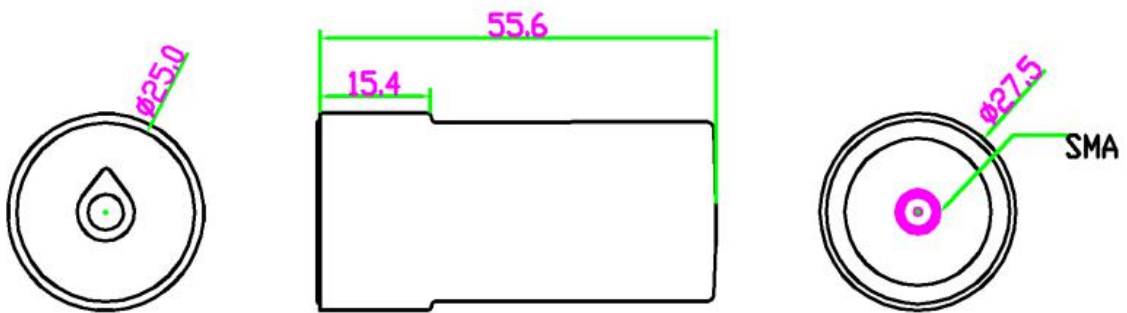


GNSS Helical Antenna SY-301



DIMENSIONS



SPECIFICATIONS

Item		Specifications
Antenna	Frequency Range	Compass: B1/B2/B3; GPS: L1/L2; GLONASS: G1/G2; Galileo: E1/E5b
	Impedance	50Ω
	Polarization	RHCP
	Gain	2dBi (Zenith)
	Axial Ratio	≤ 3dB
	Horizontal coverage angle	360°
	V.S.W.R	< 2.0
LNA	Gain	33±2dB
	Noise Figure	≤ 1.5dB
	V.S.W.R	< 2.0
	Passband fluctuation	±2dB
	Supply Voltage	3.0~16V DC
	Current Consumption	≤ 35mA
Mechanical	Connector	SMA
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP67
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant