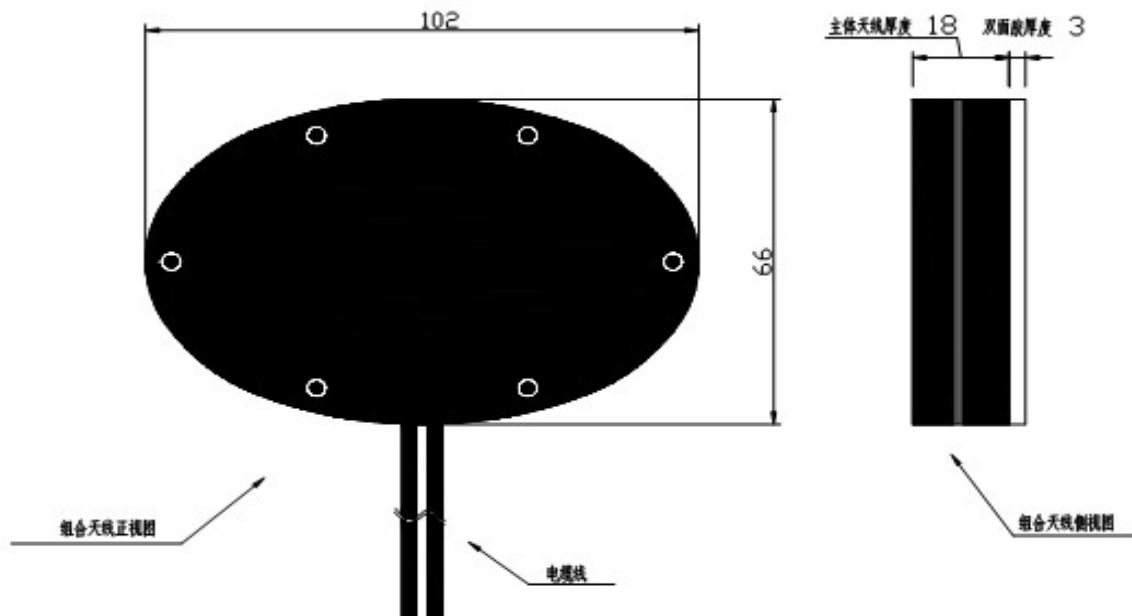


GPS Antenna

Part Number: VTGPSM-9



1.Dimension (Unit: mm)



2.Electrical Characteristics

2.1Dielectric Antenna

NO	Item	Specifications	PostEnvironmental Tolerance
1	Range of Receiving Frequency (MHz)	1575.42±5	±2.5
2	Center Frequency(MHz)	1575.42	±3.0
3	Band Width(MHz)	≥10	—
4	V.S.W.R(in Center Frequency)	≤1.5	—
5	Gain (Zenith)(dBi typ)	4.5	±0.5
6	Axial Ratio(Db) (with 100mm Square GND plan)	≤4	—
7	Polarization	Right-Handed Circular	—
8	Impedance(Ω)	50	—

2.2LNA/Filter

NO	(Item)	(Specifications)
1	Range of Receiving Frequency (MHz) (MHz)	1575.42±5
2	LNA Gain (dB)	28±2
3	V.S.W.R	≤2.0
4	Noise Figure	≤1.5
5	DC Voltage (V)	3~5V ±0.5V
6	DC Current (mA)	16±1
7	Filter Out Band Attenuation (dB)	≤-25 (fo+100MHz) ≤-40 (fo-100MHz)

2.3GSM Antenna

No.	Item	Specifications
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1	Frequency	890MHz~960MHz 1720~1920MHz
2	V.S.W.R (5m)	≤2.0 : 1
3	Gain (Zenith)	2 dBi
4	Impedance	50 Ω

2.4 Mechanical

No.	Item	Specification
1	Cable	RG174 3m/5m or others
2	Connector	SMA/SMB/MCX or others
3	Plastic Housing	Black
4	Mounting	Stick