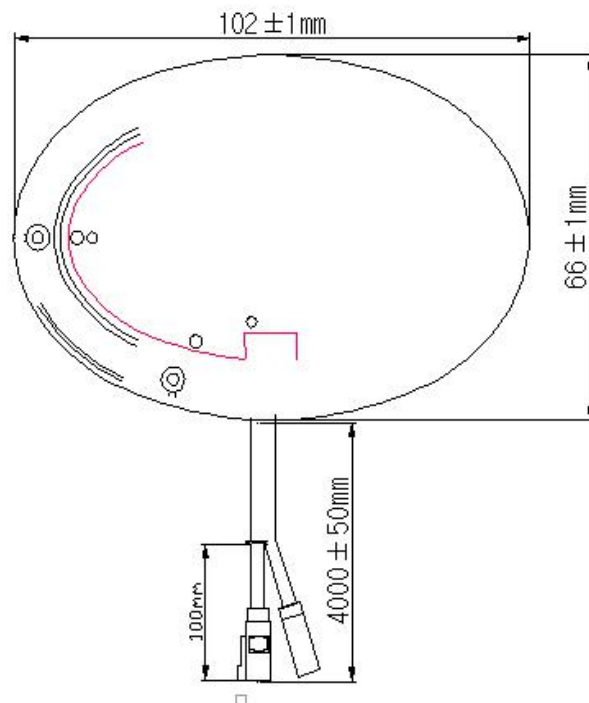


GPS&GLONASS+GSM+LTE Combination Antenna

Part Number: VTGGL-1



1.Dimension (Unit: mm)



2.Electrical Characteristics

2.1 Dielectric Antenna

Form 1

No.	Item	Specifications	Post Environmental Tolerance
1	Center Frequency (MHz)	1575.42±3/1600±5	±2.5MHz
2	Band Width(MHz) (Return Loss≤-10dB)	≥10	—
3	V.S.W.R (in BW)	≤1.5	—
4	Gain (Zenith) Gain (dBi typ) (with 70mmSquare GND plane)	4dBi	±0.5dBi
5	Polarization	Vertical	—
6	Impedance	50 Ω	—
7	Max Power	50W	

2.2 LNA/Filter

Fom 2

No.	Item	Specifications
1	Amplifier Gain(dB)	28±2
2	V.S.W.R (in BW)	≤2.0
3	Noise Figure	≤1.5
4	Direct Voltage(V)	5
5	DC(mA)	16±1
6	Out of band rejection(dB)	≤-25 (fo+100MHz) ≤-40 (fo-100MHz)

2.3 LTE Antenna

Form3

No.	Item	Specifications
1	Center Frequency	890~960-1850-2700Mhz
2	V.S.W.R	≤2.0
3	Gain (Zenith)	2dBi
4	Polarization	linear polarization
5	Impedance	50Ω
6	Input Power	20W

3. Mechanical Characteristics

Form3

No.	Item	Specification
1	Cable	RG174 3M
2	Connector	SMA/SMB
3	Plastic Housing	Black
4	Dimension	102×66×21mm
5	Mounting	Adhesive

4.Environmental Characteristics

Form 4

No.	Item	Specification
1	Environmental Operating Temperature	- 40°C ~ + 85°C
2	Humidity	95 % ~ 100 %
3	Environmentally Friendly	ROHS Compliant

