

GPS/3G External Antenna Specification

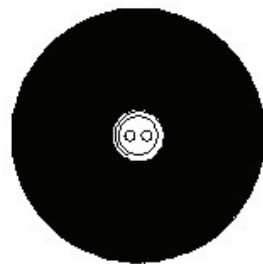
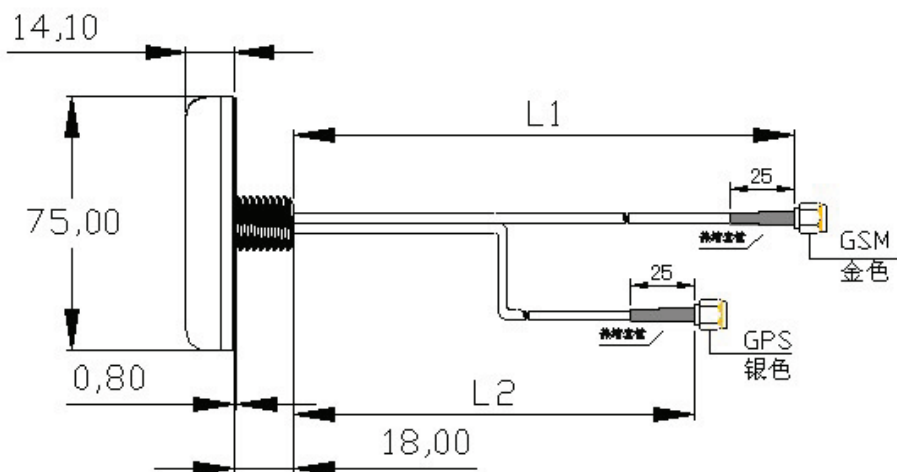


Antenna	
Frequency Range	1575.42MHz±1.02 MHz
V.S.W.R	1.5:1
Band Width	> 10 MHz
Impedence	50 ohm
Gain	5dBic Based on 7×7cm ground plane
Polarization	RHCP
LNA	
Frequency Range	1575.42MHz±1.02 MHz
DC Voltage	2.7V/3.0V/3.3V/5.0V/3.0V to 5.0V/other

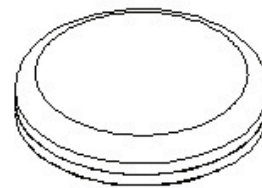
Gain (Typical)	27dB (Without cable +25°C±10°C)
Output VSWR (Typical)	2.0
Noise Figure (MAX)	1.5(+25°C ± 10°C)
DC current (Typical)	10.5mA
GSM part	
Working Frequency	824MHz-960MHz 1710MHZ-1990MHZ 1900-2170Mhz
V.S.W.R	2:1
Impedence	50 ohm
Peak Gain	1dbi@900MHZ 1dbi@1800MHZ 1.5dbi@1900MHZ 1.5dbi@2000MHZ
Azimuth	Omni-directional
Polarization	Linear Polarization
Material	
Antenna	Dielectric Ceramics
PCB	FR4
Shielding	Tinplate
RF Cable	L1=2000/3000/5000 or other
RF Connector	SMA/MCX/FAKRA or other
Assemblage	Ultrasound Welding
Thickness (Typical)	15mm

Testing Conditions	
Working Temp	-25°C~+65°C
Storage Temp	-45°C~+85°C
Vibration	Sine sweep 1g(0-p)
	10~55~10Hz each axis

Size drawing



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Lna Test Plans

