

ALLISCOM

GPS/GLONASS Antenna

Data Sheet



Model No. GG27A

Feature **High Bandwidth : 50MHz**
Low Axial Ratio : <3dB
Magnetic Mounting
Low Profile

Benefit **GPS+GLONASS frequencies**
High Performance
Concealable

Description **Allis Communications GG27A Series Dual**
Satellite Antenna is a GPS + GLONASS Antenna.
The GG27A is the ideal Antenna for Eastern European
market.

1. Electrical Specifications

1.1 GPS+GLONASS Antenna

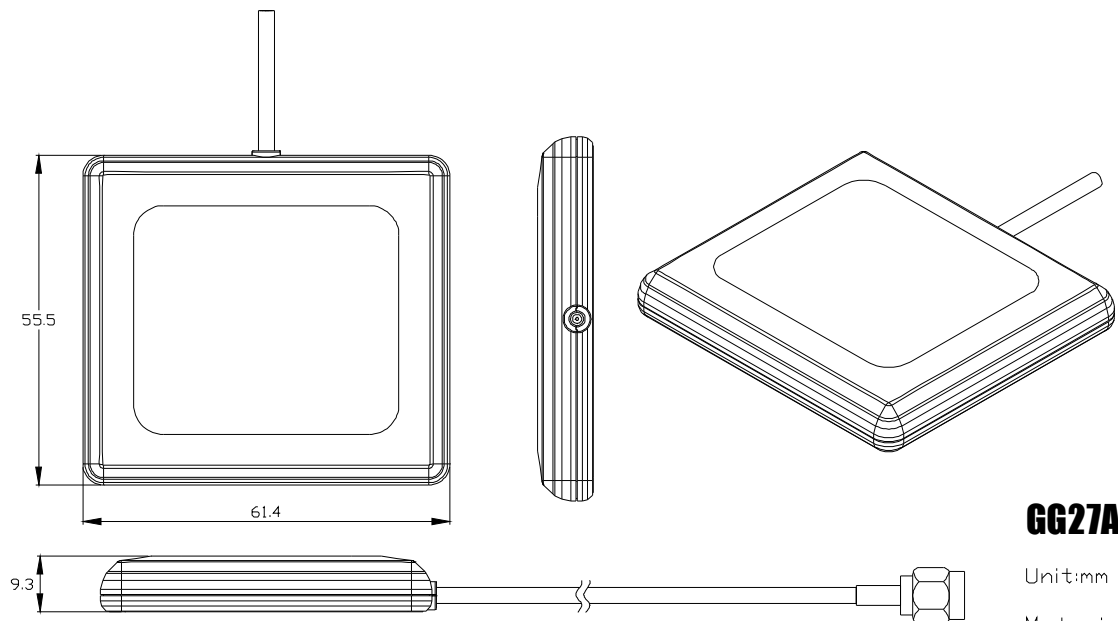
Passive	
Frequency	1530MHz ~1820MHz
Bandwidth	290MHz Min.
VSWR	2.0 Max
Peak Gain	2 dBic / 1575, 1602 – 1620Min.
Power Handling	1W
Polarization	RHCP
Impedance	50Ω
Axial Ratio	<3dB
Active	
VSWR	2.0Max.
Noise Figure	1.8 dBMax.
Gain	27 Typ. 28dB @5V, 23dB@3V
DC Voltage	3.0V to 5.5V
DC Current	22±5mA
Impedance	50Ω
Axial Ratio	<3dB
Note: Specifications subject to change without notice.	

2. Mechanical Specification

2.1 Mechanical

Item	Specification
Weight (Without Cable)	200 grams Max.
Housing Material	ABS
Size	61.4 x 55.5 x 9.3 mm
Mounting	Magnetic base
Housing Color	Black
Connector	Custom
RF Cable	Custom
Degrees of Protection	IP56(Dust and waterproof)

2.2 Dimension



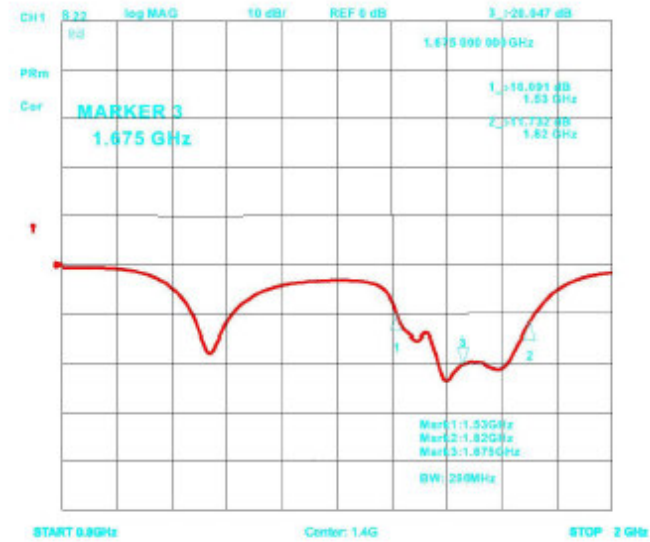
GG27A

Unit:mm

Material:ABS

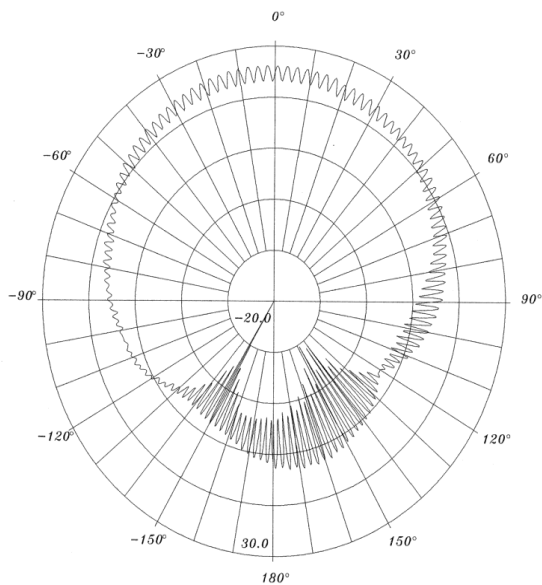
3. Appendix: Gain Patterns

Return Loss



Gain Pattern GPS / GLONASS (Voltage : 5V)

1.575GHz



1.620GHz

