

NANEA27X60VJG1R575G2MF

GNSS UAV Antenna; GPS & GLONASS L1 & L2



Description

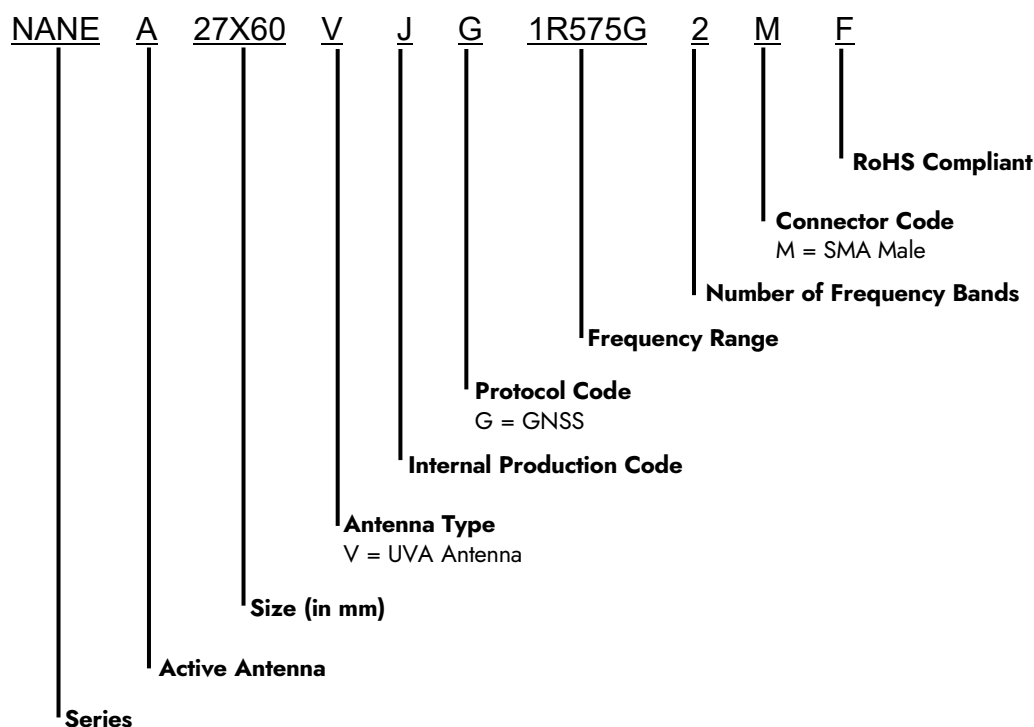
The NANEA27X60VJG1R575G2MF is an external active antenna designed for GPS & GLONASS L1 & L2 applications. It operates within the frequency ranges of 1561.098~1602MHz and 1207 ~ 1248 MHz making it perfect for Fleet Management & Tracking.



Features

- GPS & GLONASS L1 & L2 Applications
- IP67 Waterproof Rating
- RoHs Complaint

Part Number Breakdown



Standard Part Numbers Listings

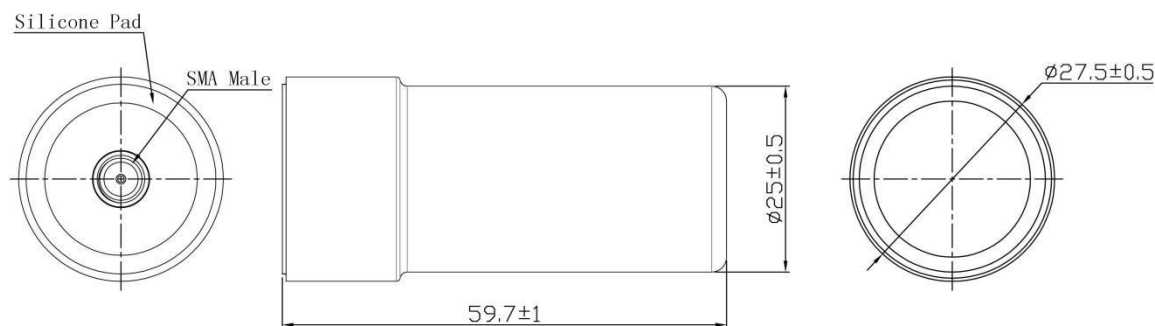
Part Number	Protocol	Connector
NANEA27X60VJG1R575G2MF	GPS & GLONASS	SMA Male

The table represents assembled part numbers available on www.niccomp.com. For options not listed above please contact NIC

Specifications

Electrical		
Frequency Ranges	L1, B1, G1, E1, E2: 1561 ~ 1602 MHz	L2, B2, B3,G2,E5b: 1207 ~ 1248 MHz
Peak Gain	2 dBi	1.5 dBi
V.S.W.R	≤ 2.0	
Axial Ratio	≤ 3 dB	
Polarization	RHCP	
Horizontal Coverage Angle	360°	
Impedance	50Ω	
LNA		
Gain	35 ± 3 dB	
Noise Figure	≤ 1.5 dB	
Supply Voltage	3.3. ~ 5.5V DC	
Current Consumption	≤ 50 mA	
V.S.W.R	≤ 2.0	
Environmental		
Operating Temperature	- 40°C ~+ 70°C	
Storage Temperature	- 40°C ~+ 85°C	
Ingress Protection	IP67 (exclude connector)	
Weight	≈ 20g	
Relative Humidity	Up to 95% (Non condensing)	
ROHS Compliant	Yes	

Dimensional Drawing (mm)



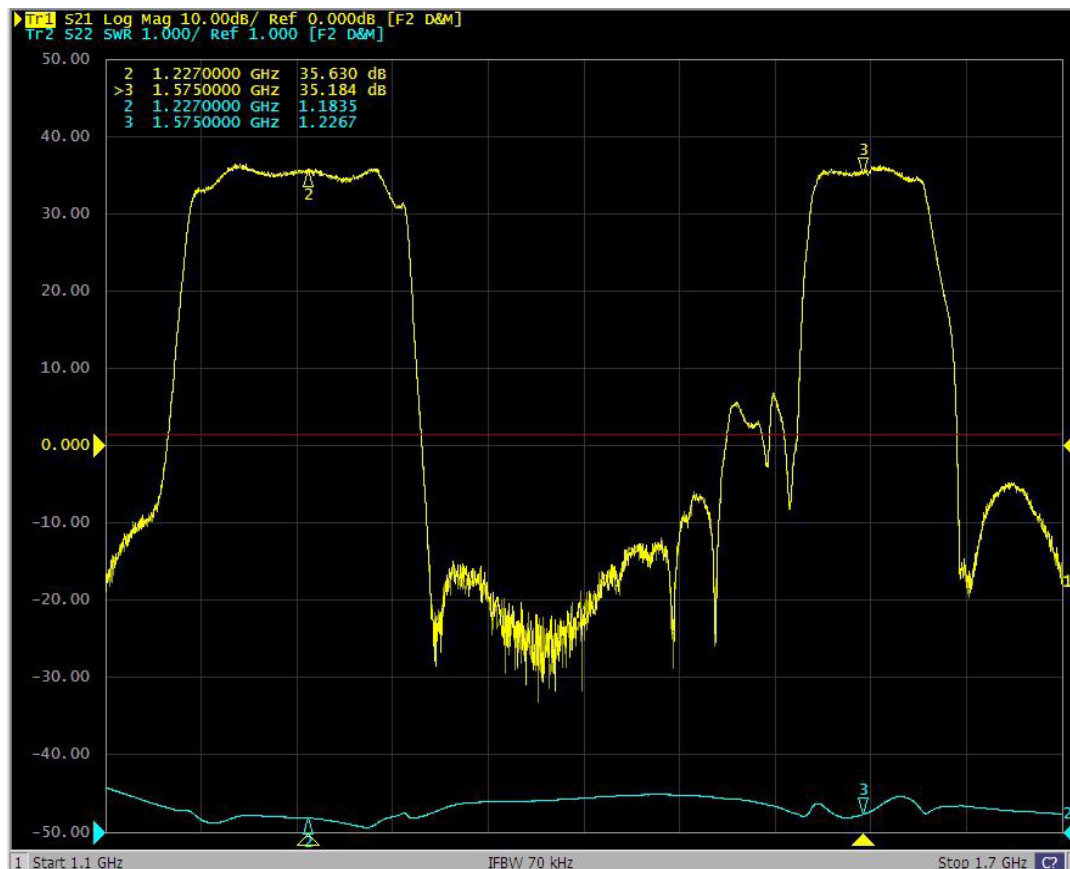
Unit:mm

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VSWR



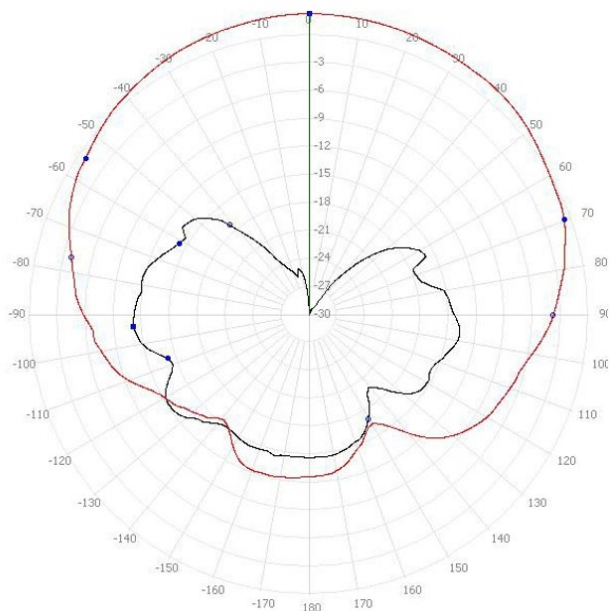
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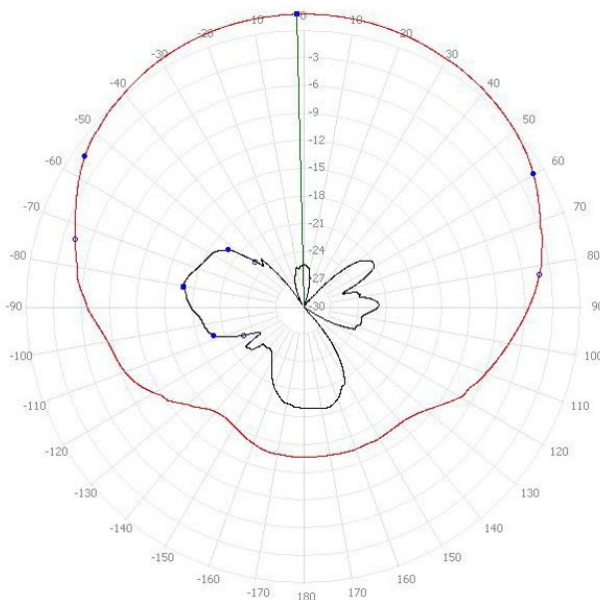


Radiation Patterns

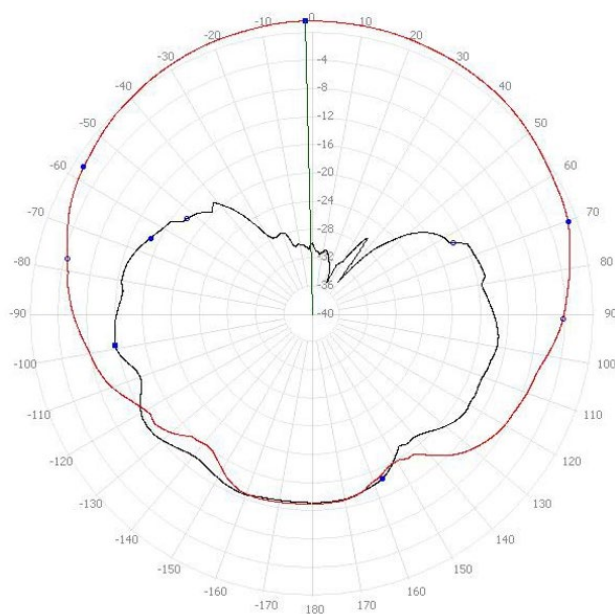
GPS L1



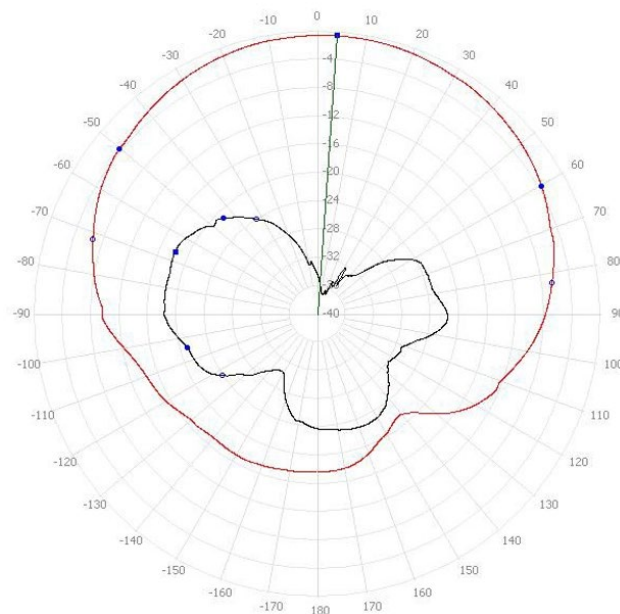
GPS L2



BDS B1



BDS B2



Performance Passives By Design

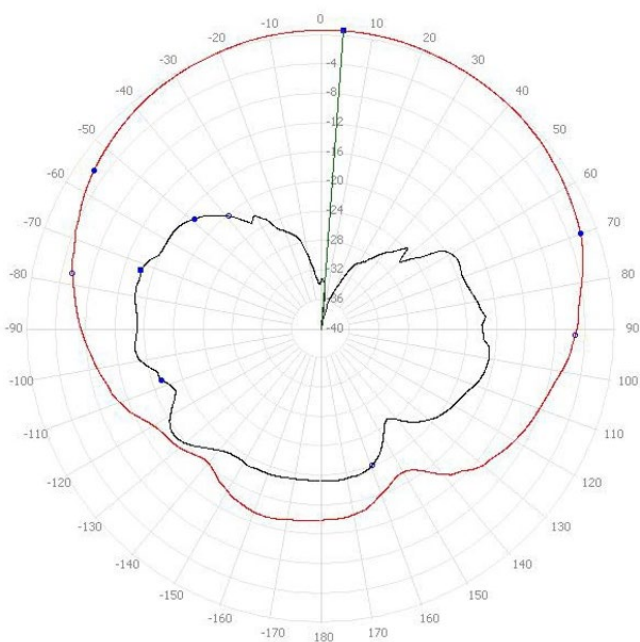
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www.niccomp.com

Last Updated 4/22/2025. Specification subject to change without notice. Please check web site or contact NIC for latest information

Radiation Patterns cont.

GLONASS G1



GLONASS G2

