

NANEA50X50PJG1C302A0F

1575 MHz GNSS & GLONASS Active External Antenna



Description

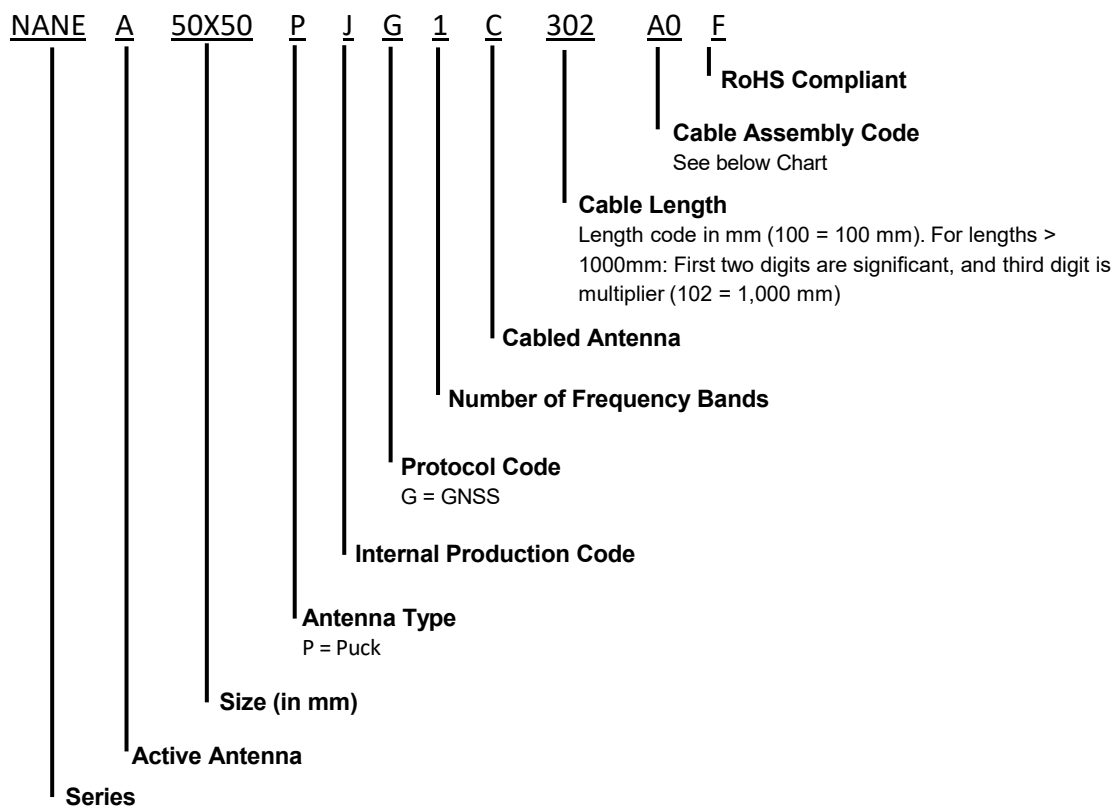
NANEA50X50PJG1C302A0F is an External Active Antenna designed for GPS L1 & GLONASS G1 applications. It operates within the frequency ranges of 1561.098 ~ 1602MHz making it perfect for Fleet Management & Tracking.

Features

- GPS L1 & GLONASS G1 Bands
- Waterproof (IP67)
- Customizable Cable & Connectors
- RoHS Compliant



Part Number Breakdown



Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA50X50PJG1C302A0F	GPS L1 & Glonass G1	SMA Male	RG174	3000 mm

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

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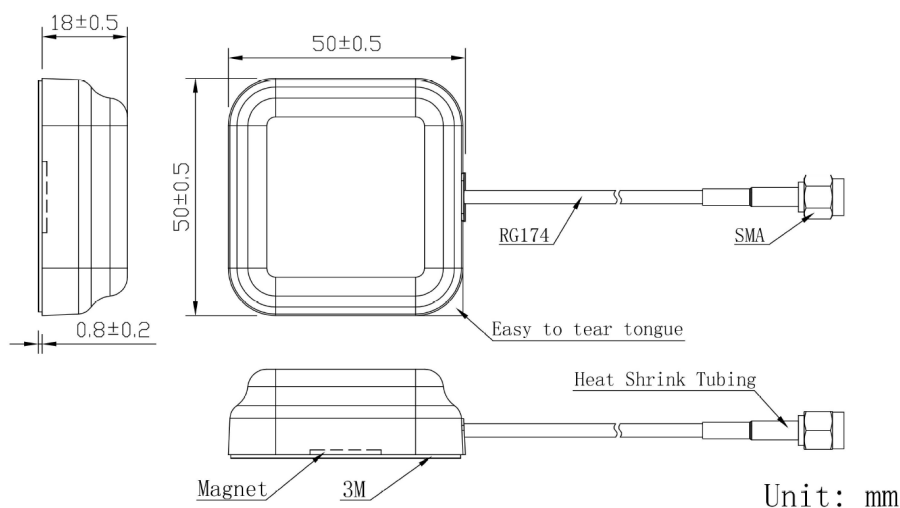
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Specifications

Electrical	
Frequency Range	1561.098 ~ 1602MHz
Gain	5 dBic @ PCB (Zenith)
Axial Ration	3dB (max.)
V.S.W.R	<1.5
Polarization	RHCP
Impedance	50Ω
LNA	
Gain	30 ± 2dB
Noise Figure	≤ 1.0 dB
Supply Voltage	3 – 5.5V DC
Current Consumption	< 25mA
V.S.W.R.	<2.0
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67
Vibration	10 ~ 55Hz 1.5mm Amplitude 2 Hours
Mounting Method	Magnet / Adhesive
Radome Material	ABS
RoHS Compliant	Yes

Dimensions



Performance Passives By Design

NIC Components Corp.
100 Baylis Road. Melville, NY 11747

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www.niccomp.com

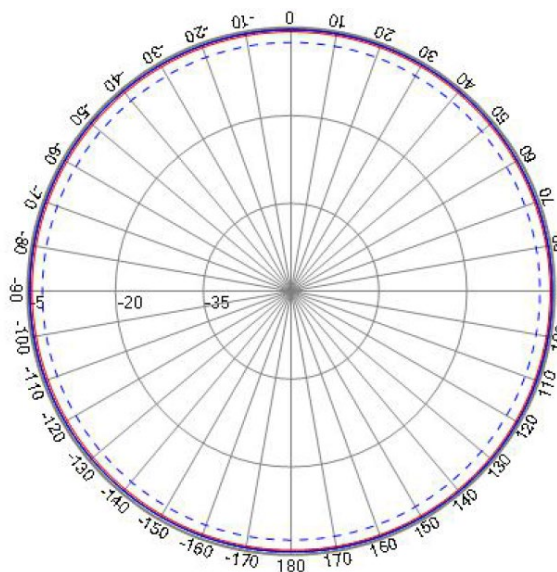
Last Updated 1/30/2025. Specification subject to change without notice. Please check web site or contact NIC for latest information

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RADIATION PATTERN

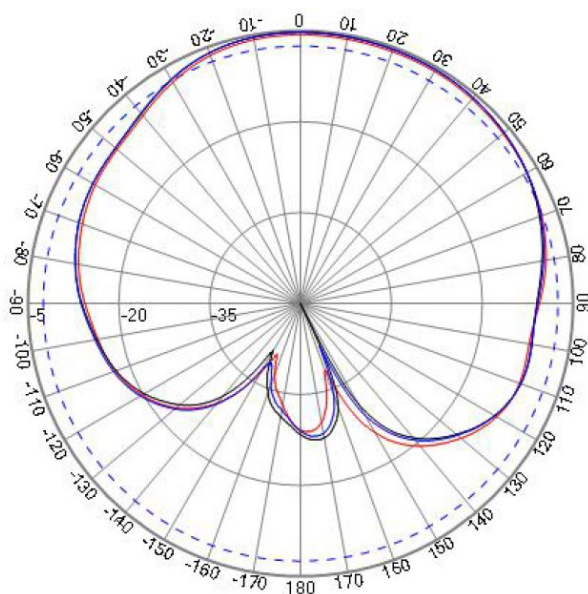


XY-PLANE

Freq: 1602

Freq: 1561

Freq: 1575



XZ-PLANE

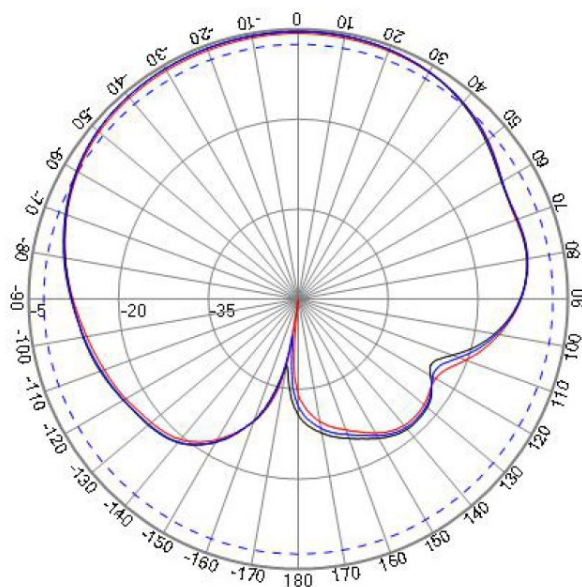
Freq: 1602

Freq: 1561

Freq: 1575

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YZ-PLANE

Freq: 1602

Freq: 1561

Freq: 1575