

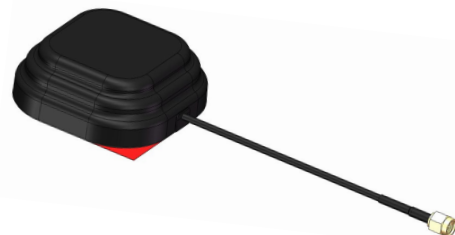
NANEA71X71PJG3C302A0F

GNSS L1, L2, L5 Active External Antenna



Description

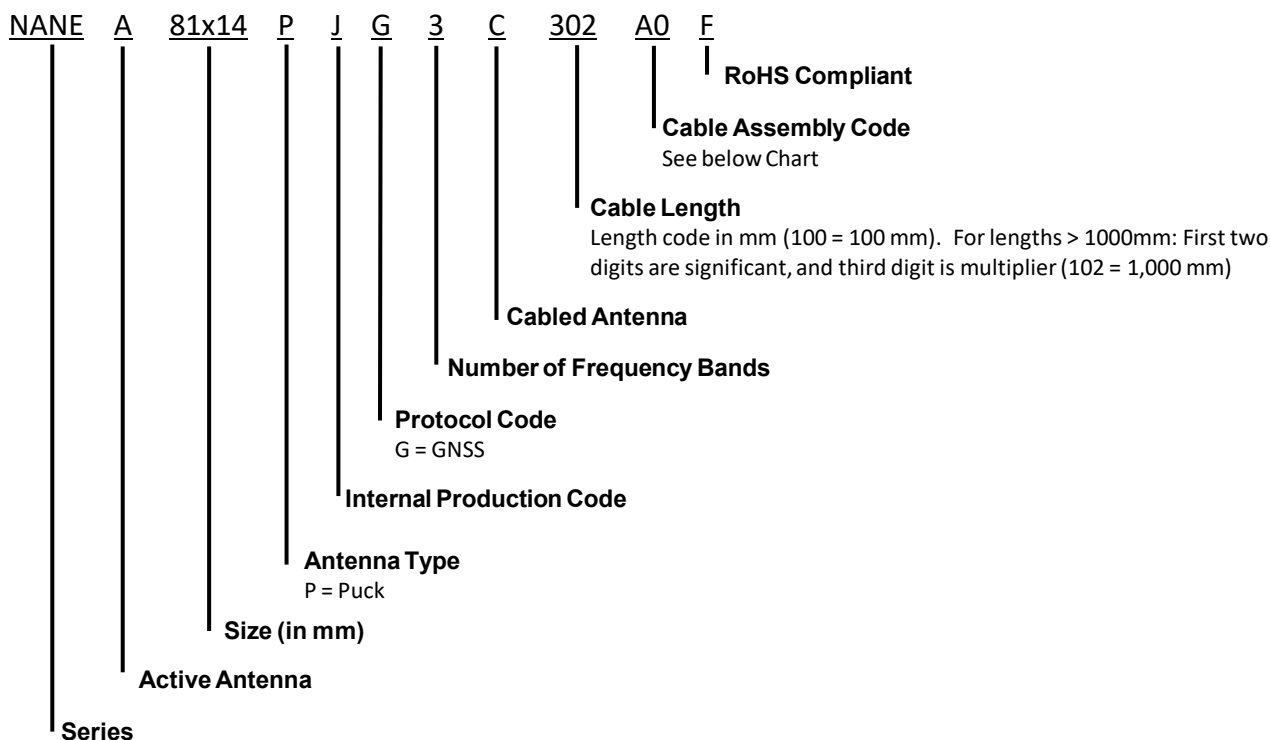
The NANEA71X71PJG3C302A0F is an External Active Antenna designed for GNSS L1, L2, L5 applications. It operates within the frequency ranges of 1575MHz, 1227 MHz, 1176 MHz making it perfect for Fleet Management & Tracking.



Features

- GNSS L1, L2, L5 applications
- Customizable Cable and Connector Options
- IP67 Waterproof Rating
- RoHs Compliant

Part Number Breakdown



Part Number Options

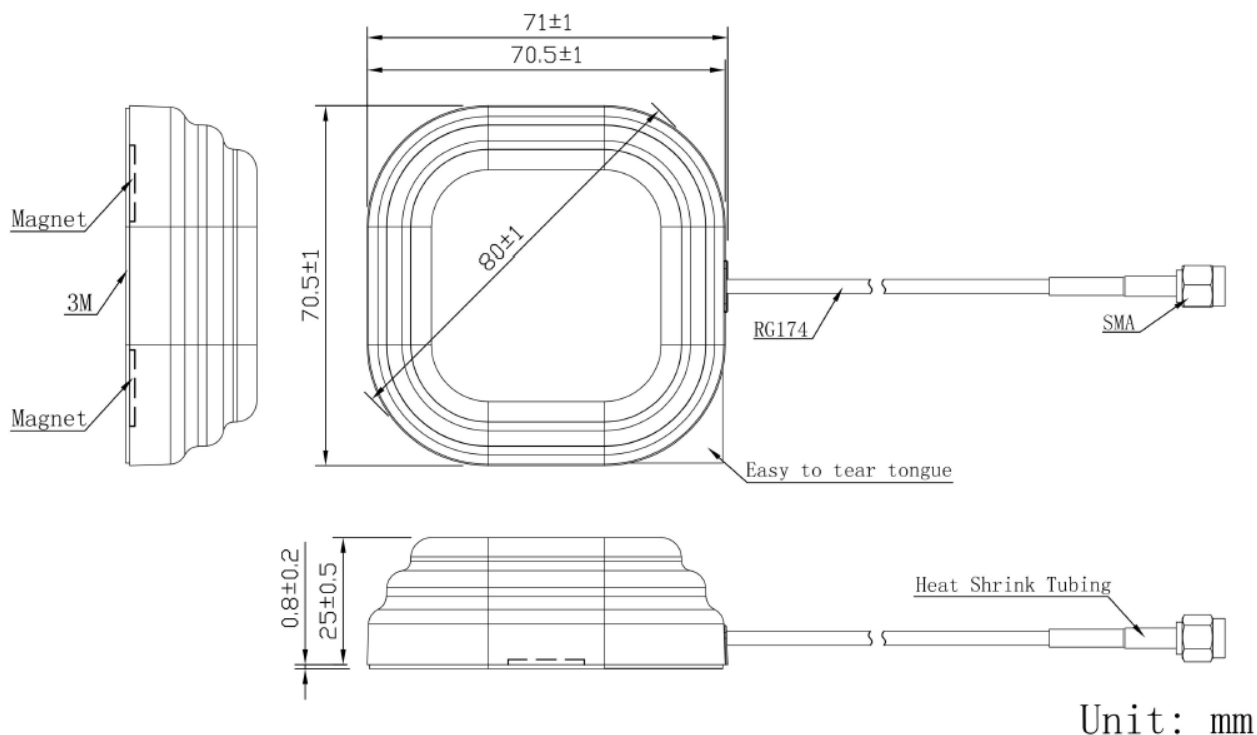
Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA71X71PJG3C302A0F	GNSS L1, L2, L5	SMA Male	RG174	3000 mm

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

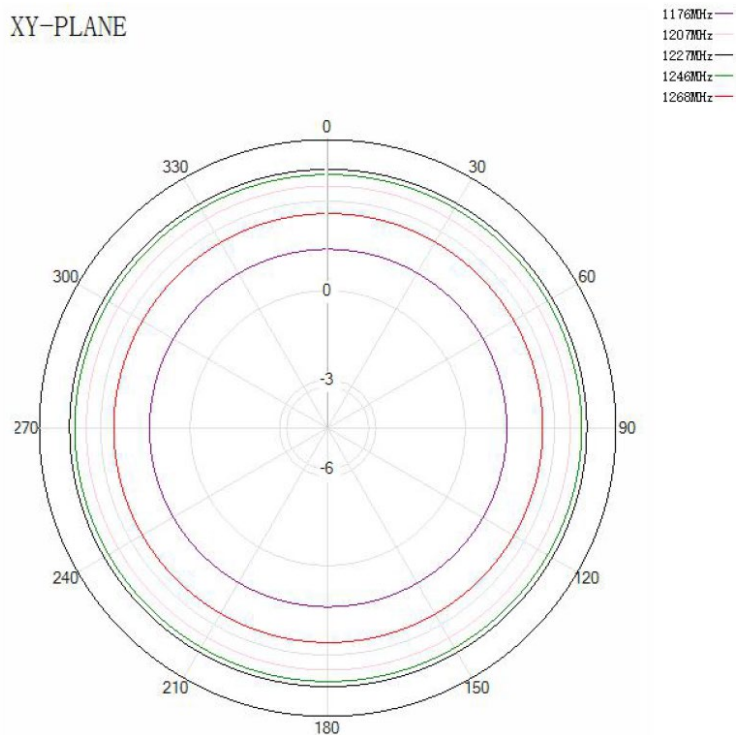
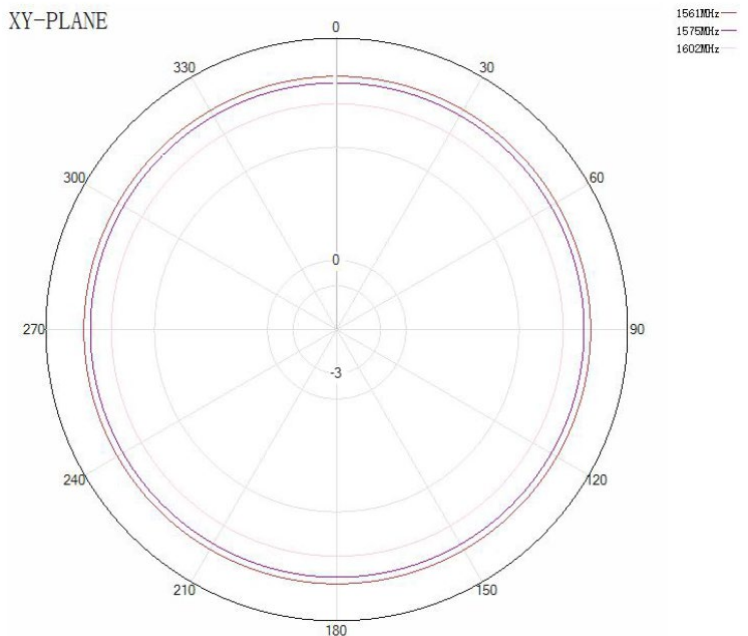
Specifications

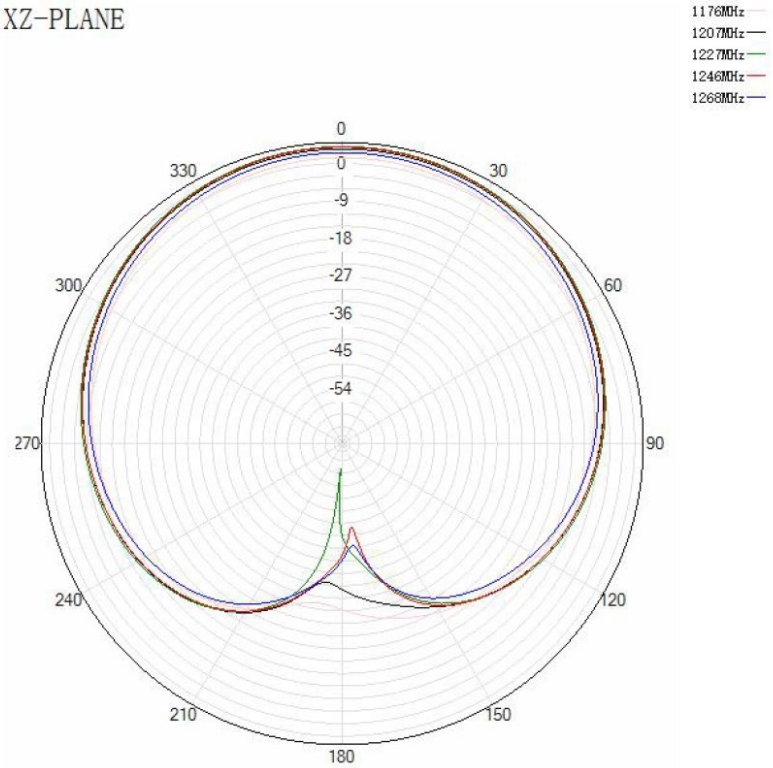
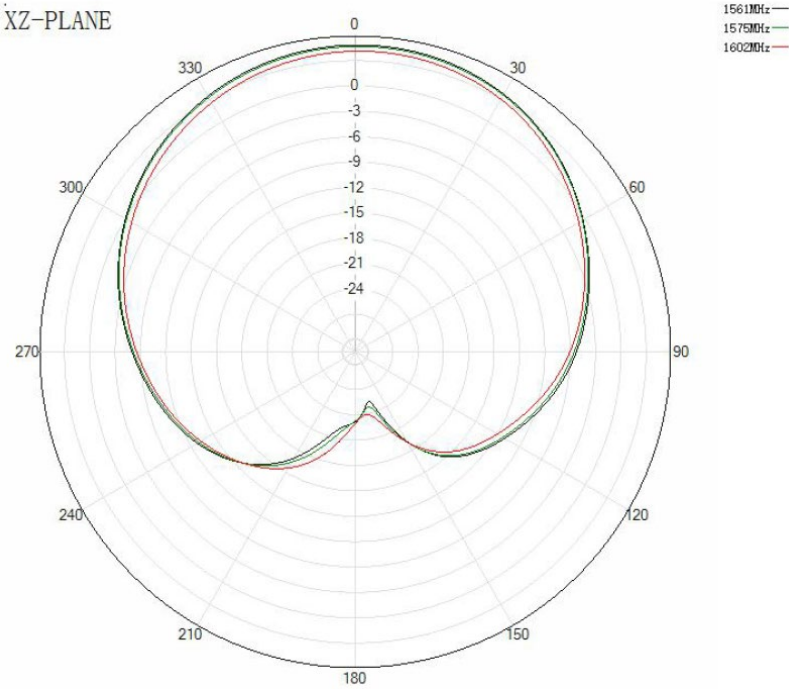
Electrical	
Frequency Bands	GPS L1/L2/L5 GLONASS G1/G2/G3 COMPASS B1/B2/B3 Galileo E1/L1/E2/E5a/E5b
Frequency Range	1575 MHz 1227 MHz 1176 MHz
Axial Ratio	≤ 3 dB
Peak Gain	≥ 3 dBic
VSWR	≤ 2.0
Horizontal Coverage Angle	360°
Polarization	RHCP
Impedance	50 Ω
LNA	
Gain	28 $\pm$ 2dB
Noise Figure	≤ 1.5 dB
Supply Voltage	3 ~ 12 V DC
Current Consumption	≤ 50 mA
V.S.W.R.	≤ 2.0
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP66
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Mounting Method	Magnet / Adhesive
ROHS Compliant	Yes

Dimension Drawing



Radiation Patterns



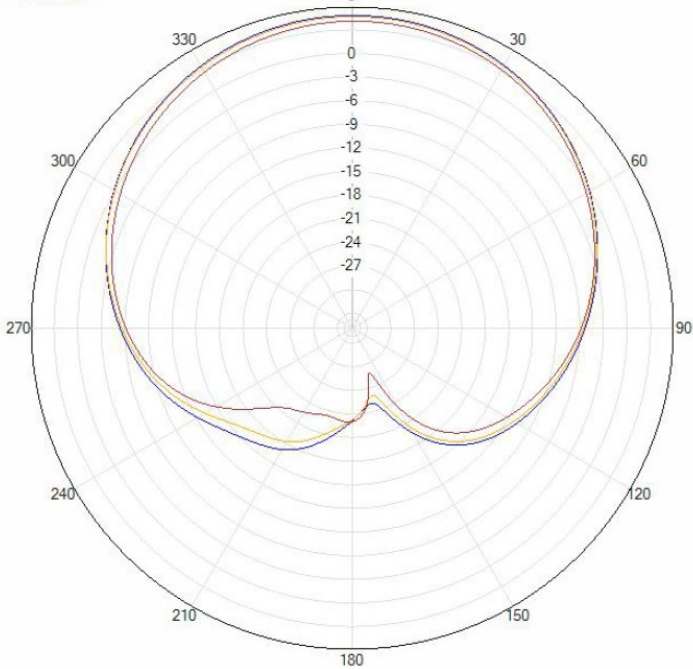


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GNSS L1, L2, L5 Active External Antenna



YZ-PLANE



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