

NANEA84X81PJVCG3CF

GPS & GLONASS + LTE Active External Antenna

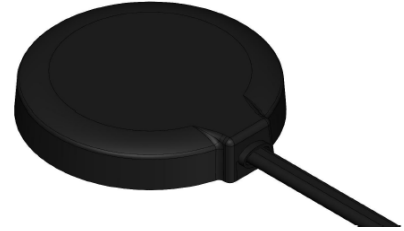


Description

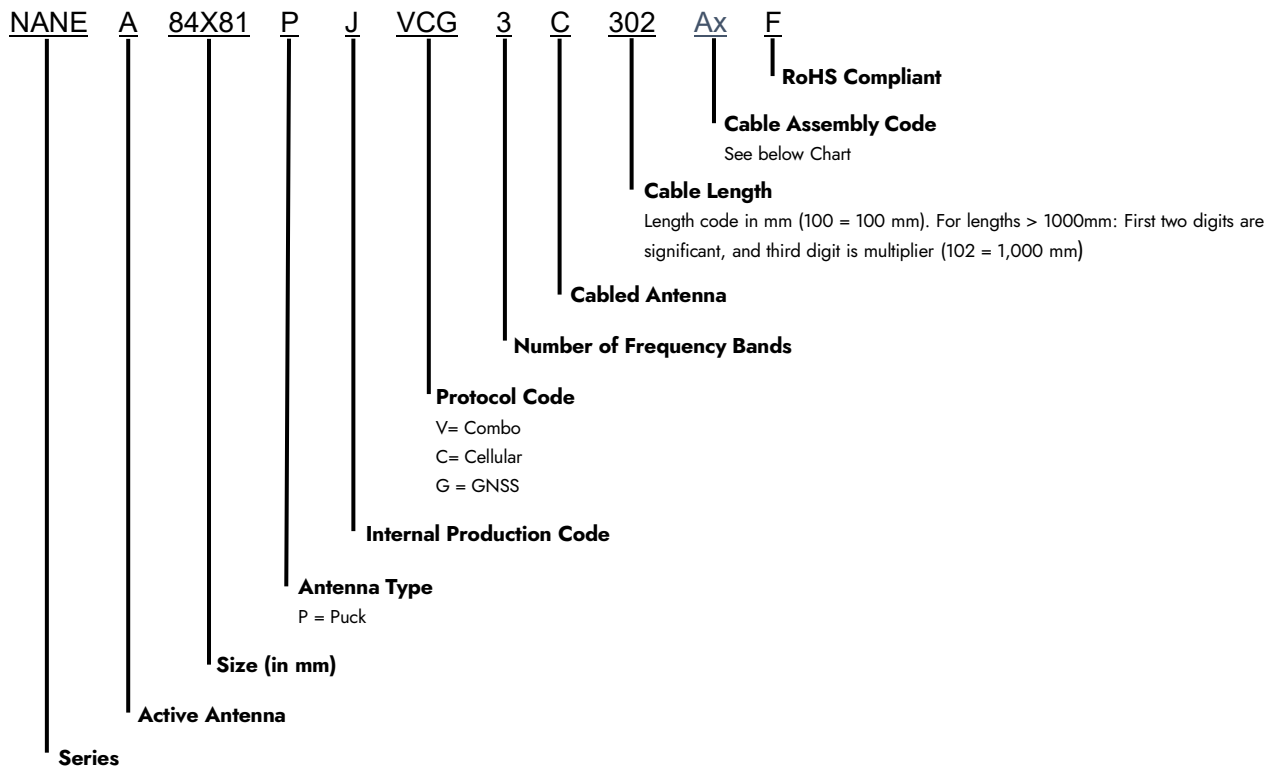
The NANEA84X81PJVCG3CF is the base part number for an External Active Antenna designed for GPS & GLONASS and LTE applications. It operates within the frequency ranges of 1592 MHz, 698~960MHz & 1710~2690MHz making it perfect for Tracking and Fleet Management

Features

- GNSS & LTE protocol
- Waterproof (IP67)
- Customizable Cable & Connectors
- RoHS Compliant



Part Number Breakdown



Standard Part Numbers Listings

Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA84X81PJVCG3C302A0F	GPS & GLONASS / LTE	SMA MALE	RG174	3000 mm
NANEA84X81PJVCG3C302A1F	GPS & GLONASS / LTE	FAKRA FEMALE	RG174	3000 mm

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

Performance Passives By Design

Specifications

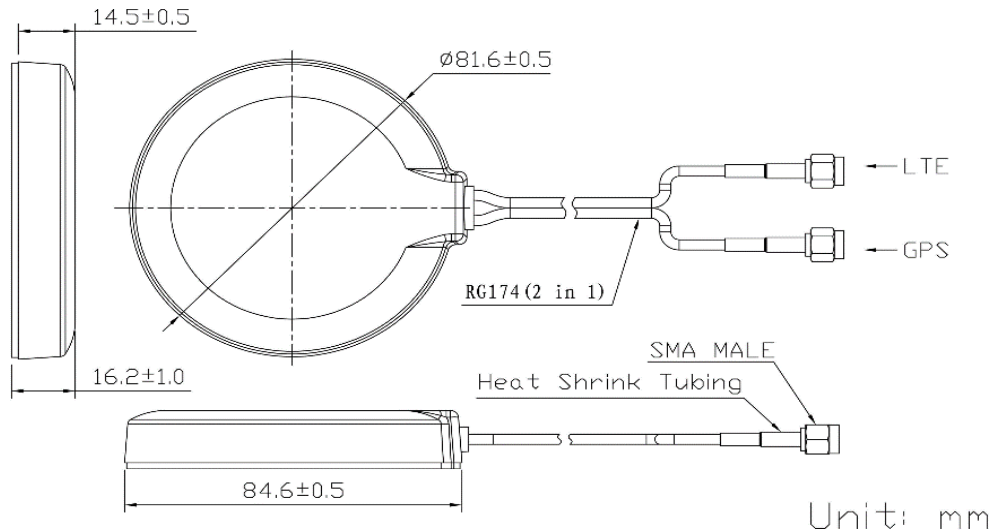
Electrical	
GPS Antenna	
Frequency Range	1592 MHz $\pm$ 3MHz
Bandwidth	CF $\pm$ 5MHz
Polarization	RHCP
Gain	2 dBic (Zenith)
V.S.W.R	< 1.5
Axial Ratio	3 dB (max.)
Impedance	50 Ω
LNA	
Gain	28 $\pm$ 2 dB
Noise Figure	< 1.5 dB
V.S.W.R.	< 2.0
Supply Voltage	2.2 ~ 5 VDC
Current Consumption	5~15 mA
LTE	
Frequency Range	698~960MHz 1710~2690MHz
V.S.W.R	< 3.0
Polarization	Linear
Gain	2 dBi (max.)
Impedance	50 Ω
Environmental:	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67
Mounting Method	Adhesive
Material	ABS
Vibration	10 ~ 55Hz with 1.5mm Amplitude 2 Hours
RoHS Compliant	Yes

NANEA84X81PJVCG3CF

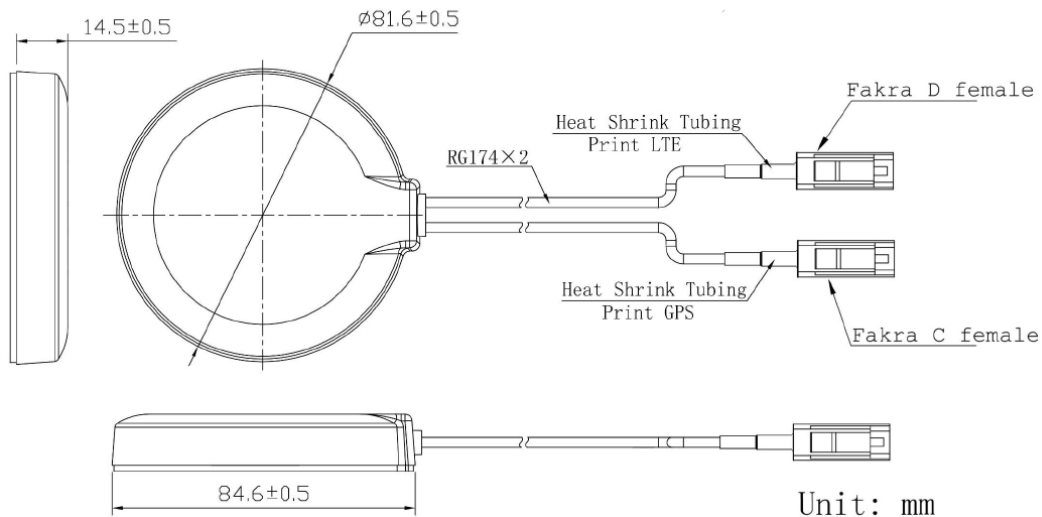
GPS & GLONASS + LTE Active External Antenna



Dimensions

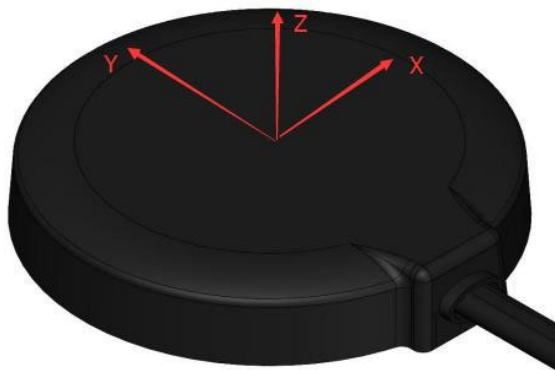


NANEA84X81PJVCG3C302A0F Dimensions

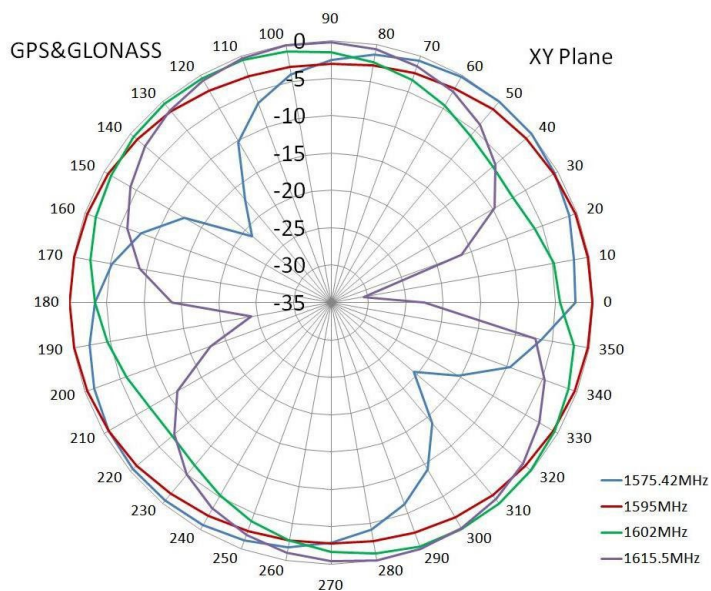


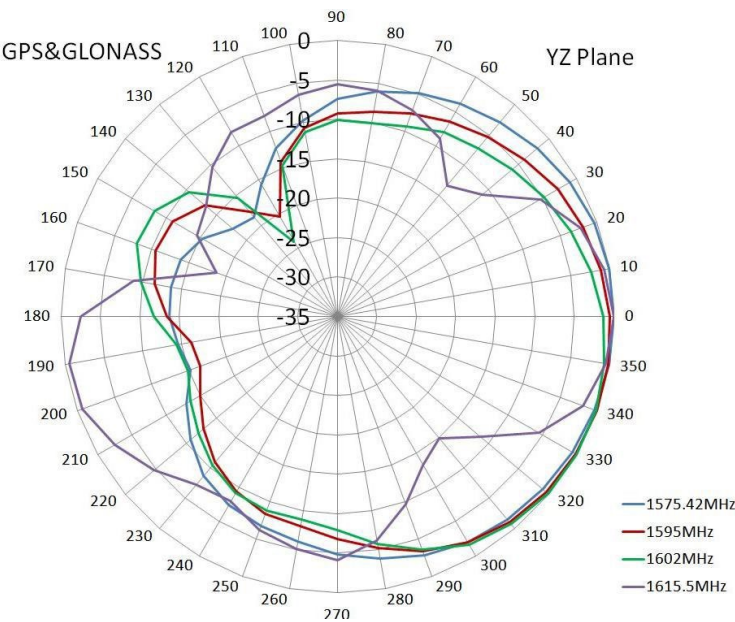
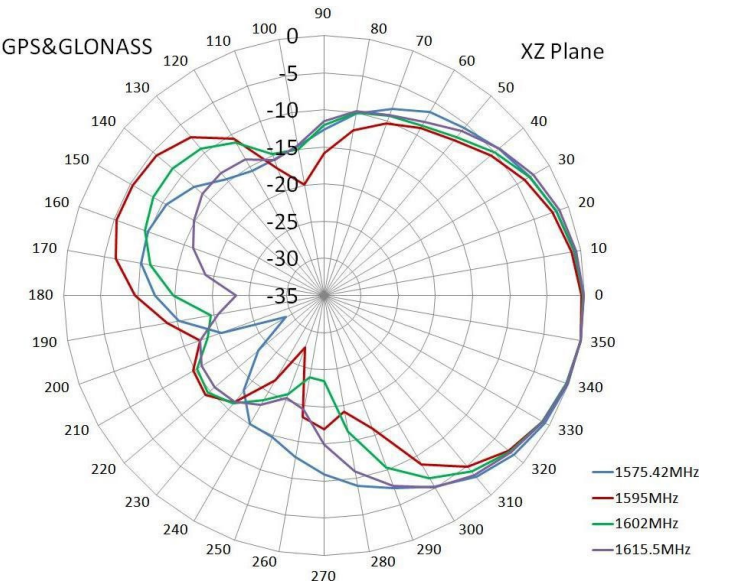
NANEA84X81PJVCG3C302A1F Dimensions

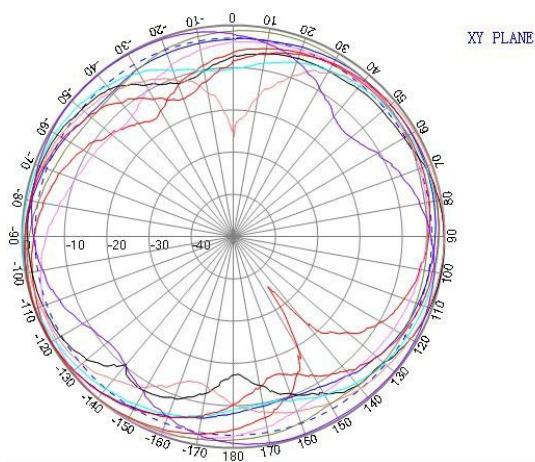
RADIATION PATTERN



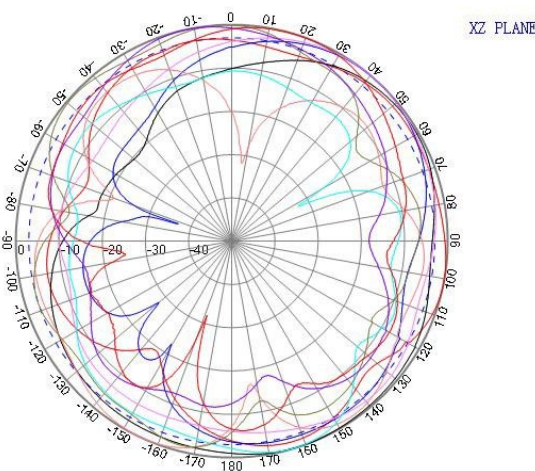
GPS & GLONASS



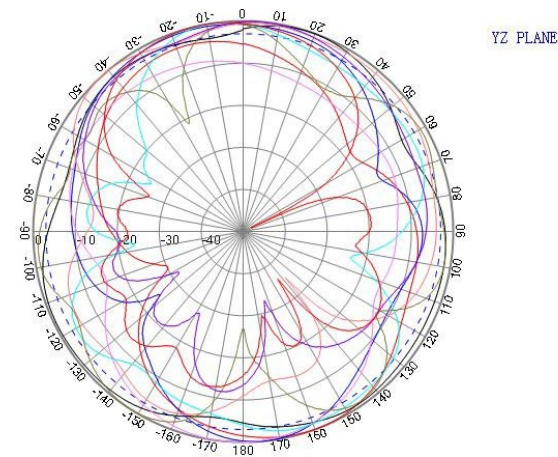




- Freq:700
- Freq:824
- Freq:868
- Freq:960
- Freq:1710
- Freq:1850
- Freq:1990
- Freq:2170
- Freq:2690



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