

NANEA189X182DJVGWM3C900A0F

GNSS & WIFI MIMO External Active Antenna



Description

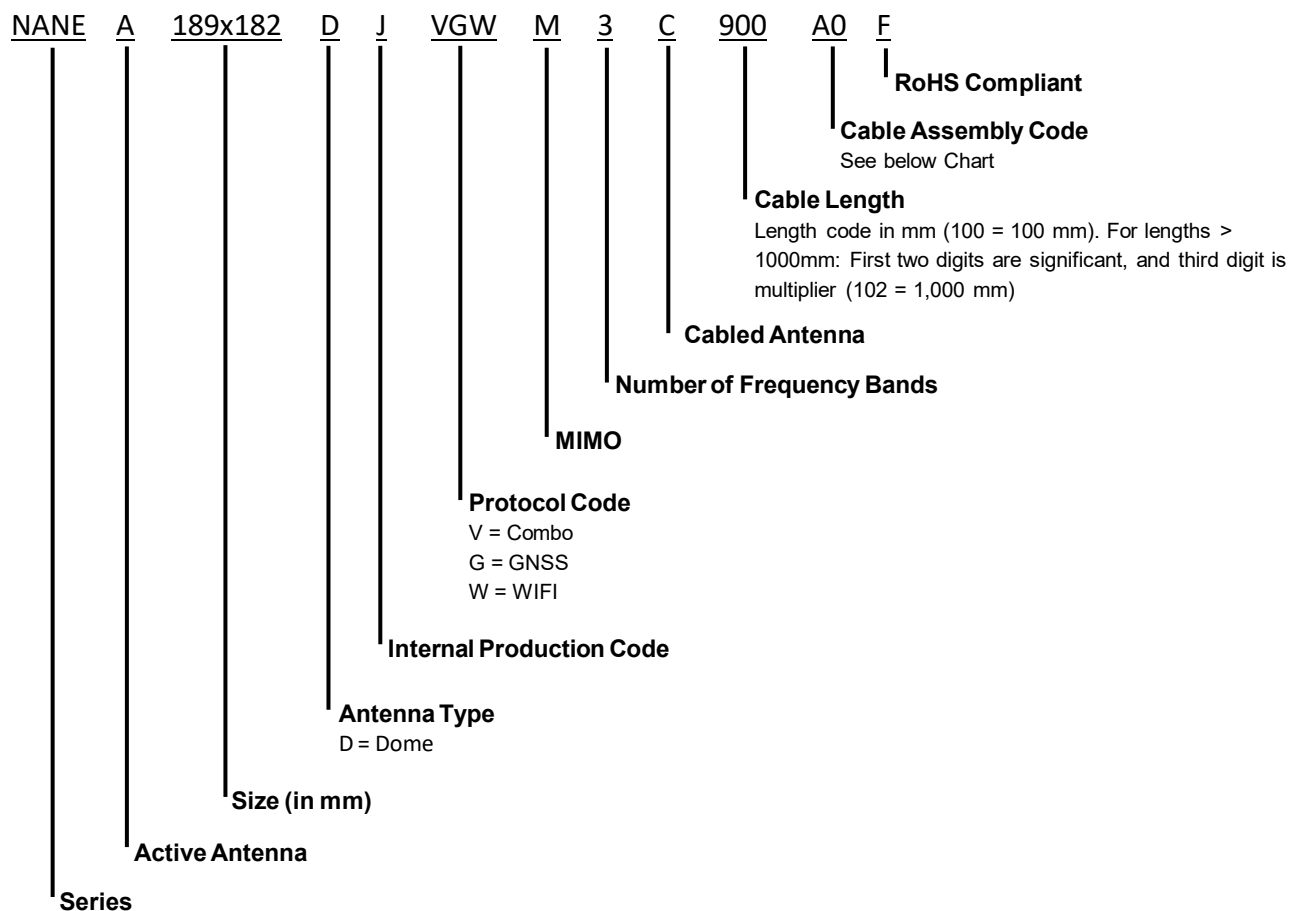
NANEA189X182DJVGWM3C900A0F is an External Active Antenna designed for GNSS and WIFI MIMO applications. It operates within the frequency ranges of 1561.098~1610MHz, 2400~2483.5 MHz and 4900~5825MHz making it perfect for Tracking, IoT, Gateways and Routers.



Features

- GNSS L1 Protocol
- WIFI MIMO
- Waterproof IP67 Rating
- Customizable Connector Options and Cable Lengths
- RoHs Complaint

Part Number Breakdown



Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA189X182DJVGWM3C900A0F	GNSS L1	SMA MALE	RG174	900 mm (3ft)
	WIFI MIMO (2 Ports)	SMA MALE	RG58	900 mm (3ft)

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

Specifications

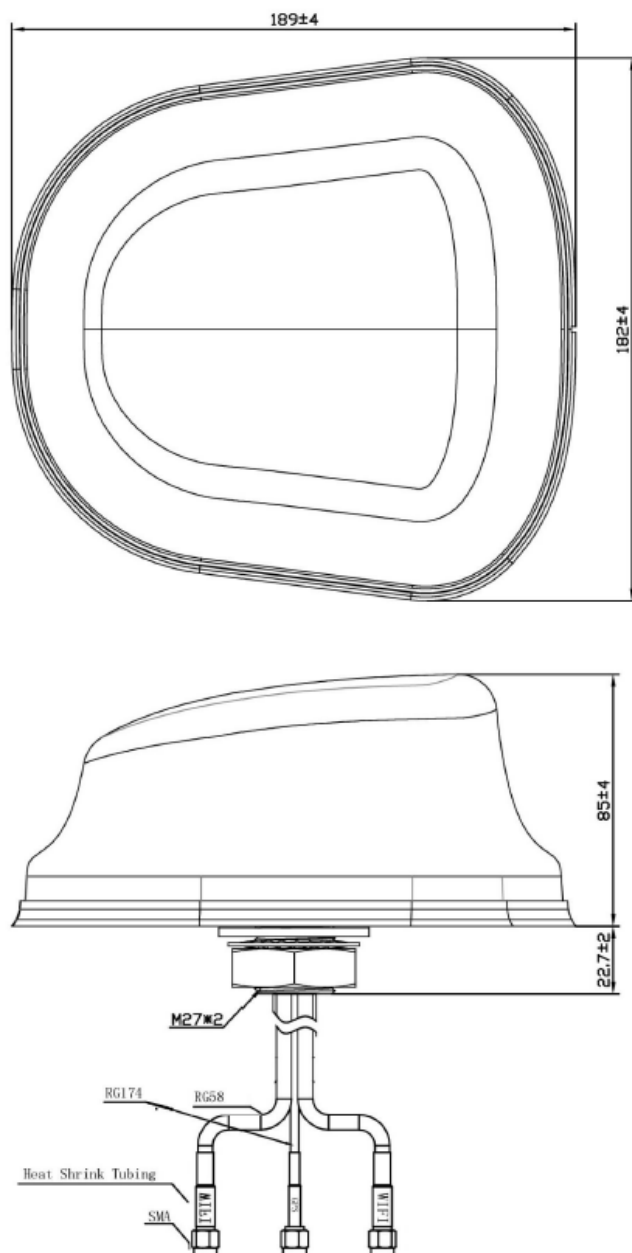
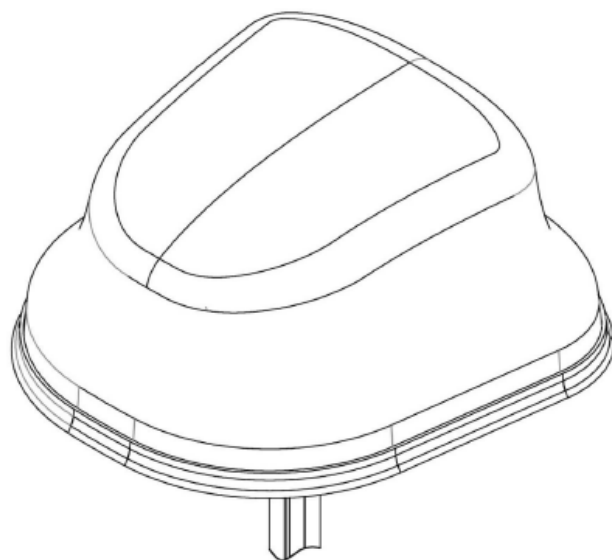
Electrical	
Antenna	GNSS
Frequency Bands	1561.098~1610MHz
Gain	28 ± 2dB
Noise Figure	≤ 1.5 dB
Supply Voltage	3 ~ 5V DC
Current Consumption	≤ 15mA
V.S.W.R.	< 2.0
Polarization	RHCP
Impedance	50 Ω
Internal Patch Antenna	25mm x 25mm x 4mm
Antenna	WiFi MIMO
Frequency Range	2400 ~2483.5 MHz 4900~5825 MHz
V.S.W.R.	<2.5
Gain	4 dBi (typ.)
Polarization	Linear
Impedance	50 Ω
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Vibration	10 to 55Hz with 1.5 mm amplitude 2hours
Ingress Protection	IP67
Material	PC / ABS
Mounting method	Screw
ROHS Compliant	Yes

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Dimensions



Unit:mm

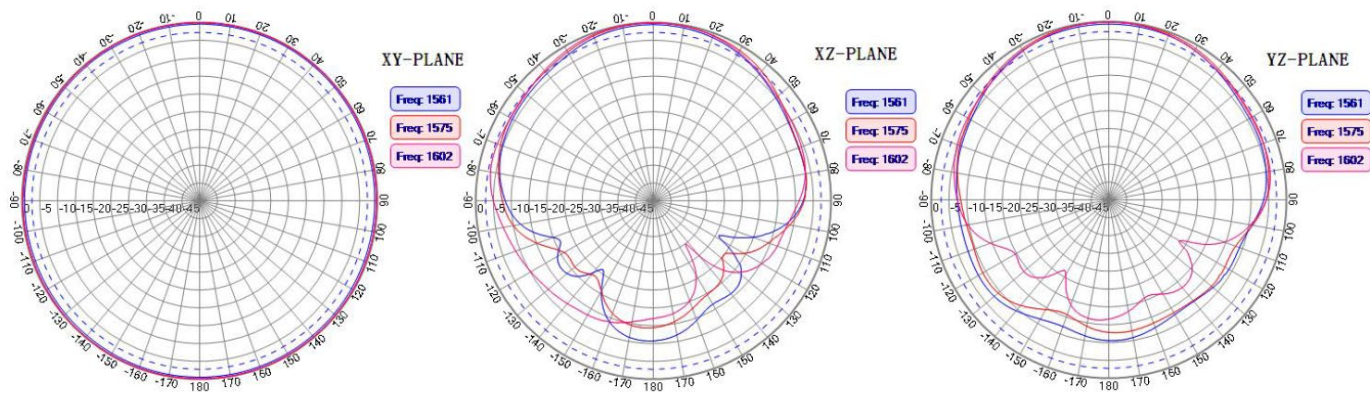
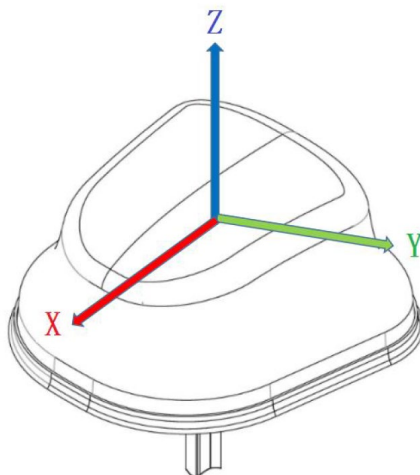
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Radiation Patterns

GNSS Antenna



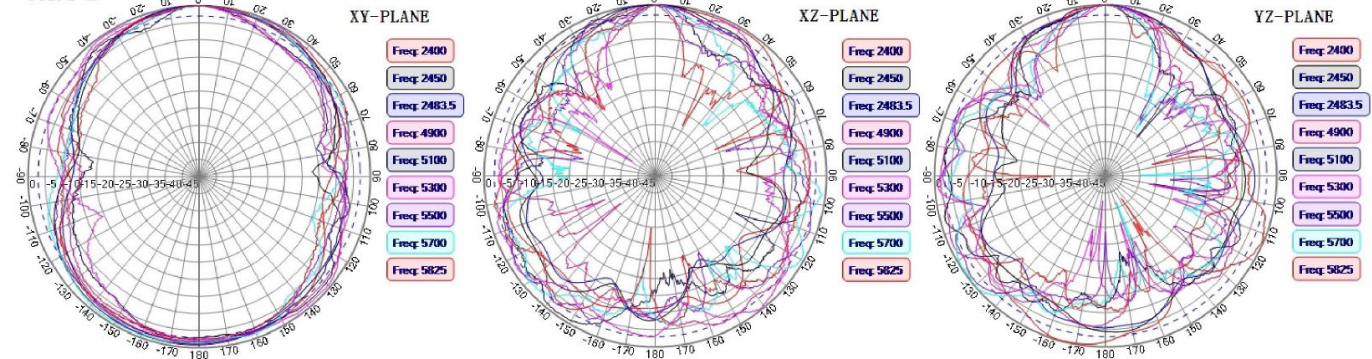
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WIFI Antenna

WIFI-1



WIFI-2

