

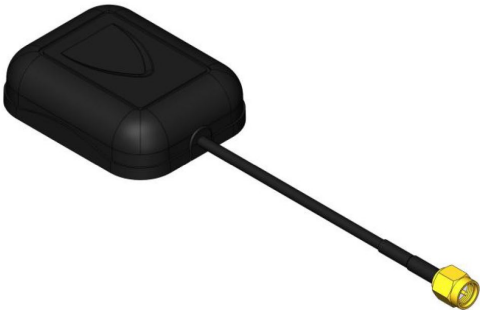
NANEA54X43PJG1C302A0F

1575 MHz GNSS & GLONASS Active External Antenna



Description

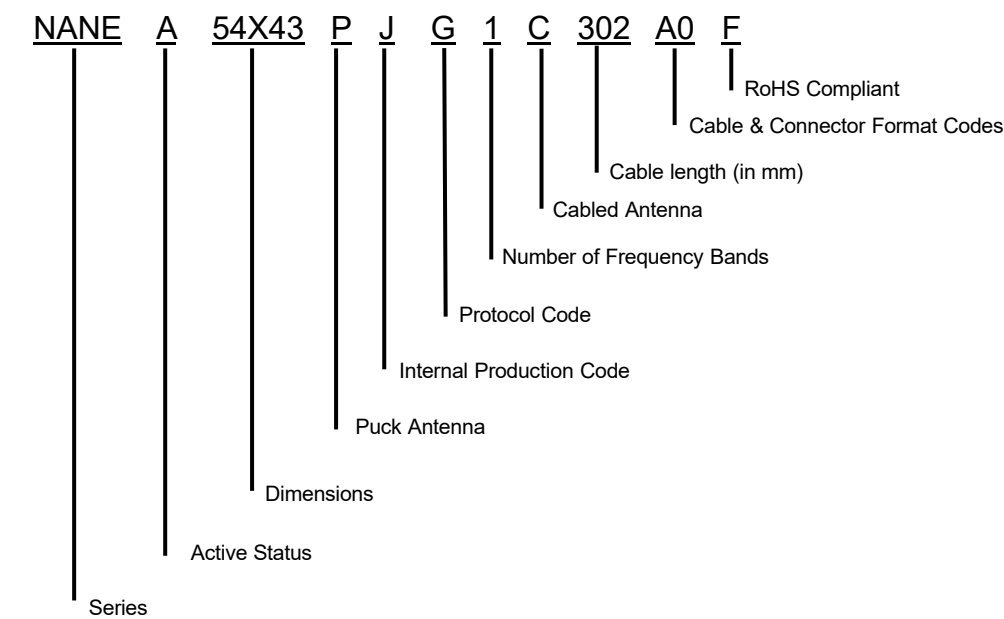
The NANEA54X43PJG1C302A0F is an External Active Antenna designed for GNSS & GLONASS applications. It operates within the frequency ranges of 1575.42 ~ 1602MHz making it perfect for Fleet Management & Tracking.



Features

- GNSS + GLONASS protocol
- Waterproof (IP67)
- Customizable Cable & Connectors
- RoHS Complaint

Part Number Breakdown



Assembly Ref	Protocol	Connector Type	Cable Type	Cable Length
A0	GNSS & GLONASS	SMA Male	RG174	3000 mm

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Specifications

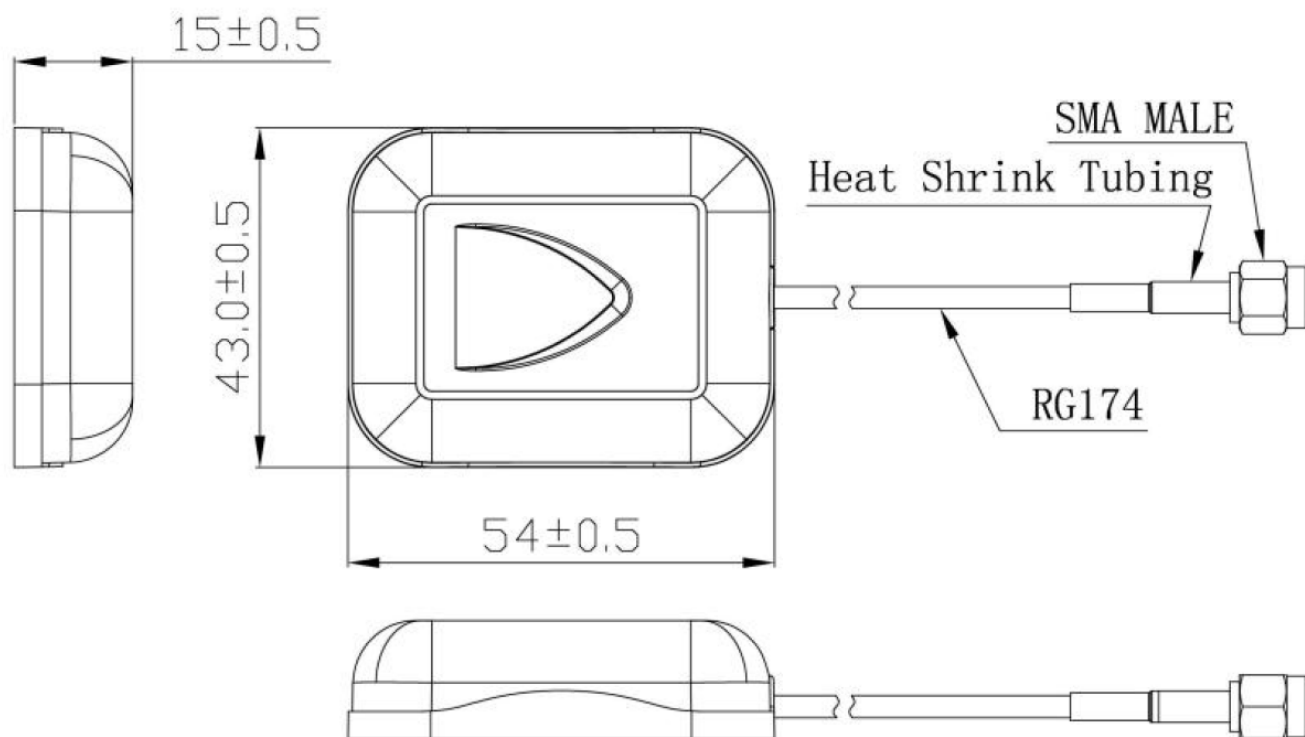
Electrical	
Frequency Range	1575.42~ 1602MHz
Bandwidth	CF± 5MHz
Gain	2 dBic (Zenith)
V.S.W.R	<1.5
Internal Patch Antenna Dimension	35 x 35 x 4 mm
Polarization	RHCP
Impedance	50Ω
LNA	
Gain	40 ± 2dB
Noise Figure	< 1.5
Filter Insertion Loss	< 2 dB
Ex-band Attenuation	5dB@CF+50MHz 30dB@CF-50MHz
Supply Voltage	2.2 – 5V DC
Current Consumption	< 15mA
V.S.W.R.	<2.0
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP65 ~ IP67
Vibration	10 ~ 55Hz 1.5mm Amplitude 2 Hours
Mounting Method	Magnet
Radome Material	ABS
RoHS Compliant	Yes

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Dimensions



Unit: mm

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RADIATION PATTERN

