

NANEA151x66DJG1R575G3TF

GNSS Surveying External Antenna



Features

- GNSS L1, L2 & L5 Protocols
- Waterproof(IP67)
- RoHs Complaint

Applications

- Tracking
- Surveying



Specifications

Electrical	
Frequency Bands	GPS L1/L2/L5/L-Band GLONASS G1/G2/G3 COMPASS B1/B2/B3 Galileo E1/L1/E2/E5a/E5b/E6
Frequency Range	L1: 1575 MHz L2: 1227 MHz L5: 1176 MHz
Axial Ratio	$\leq 3\text{dB}$
Peak Gain	$\geq 5.5\text{dBi}$
V.S.W.R	≤ 1.5
Phase Center Error	$\pm 2\text{mm}$
Horizontal Coverage Angle	360
Polarization	RHCP
Impedance	50 Ω
LNA	
Gain	40 $\pm$ 2dB
Noise Figure	$\leq 1.5\text{ dB}$
Gain	4 dBi (typ.)
Polarization	Linear
Impedance	50 Ω
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67 (exclude Air vent in screw hole)
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
ROHS Compliant	Yes

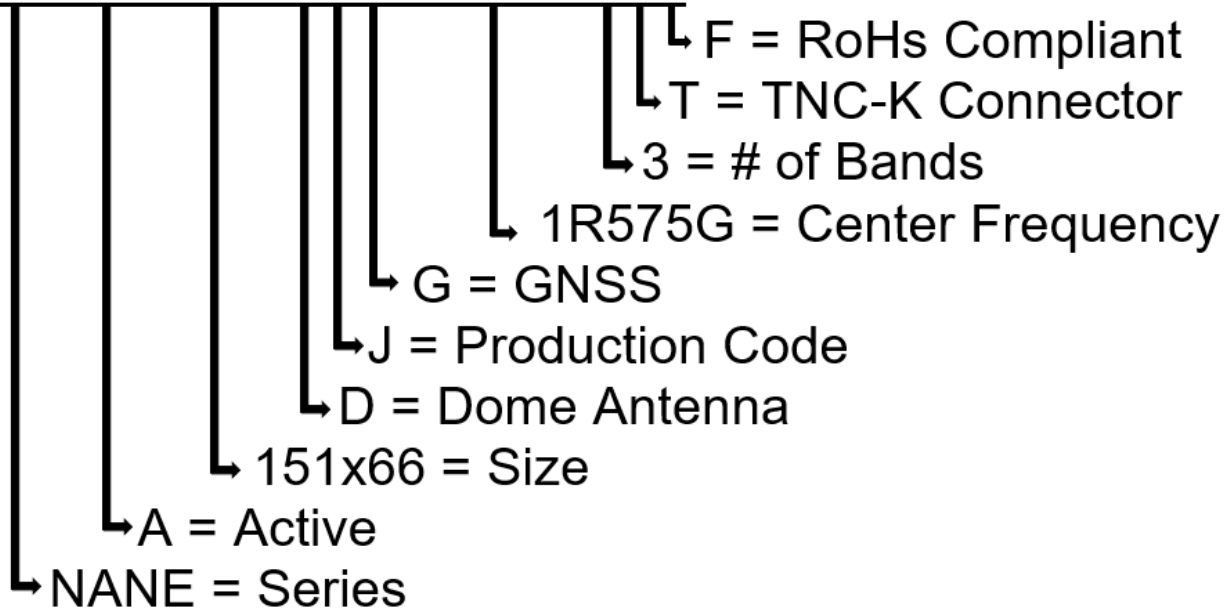
NANEA151x66DJG1R575G3TF

GNSS Surveying External Antenna



Part Number Breakdown

NANEA151x66DJG1R575G3TF

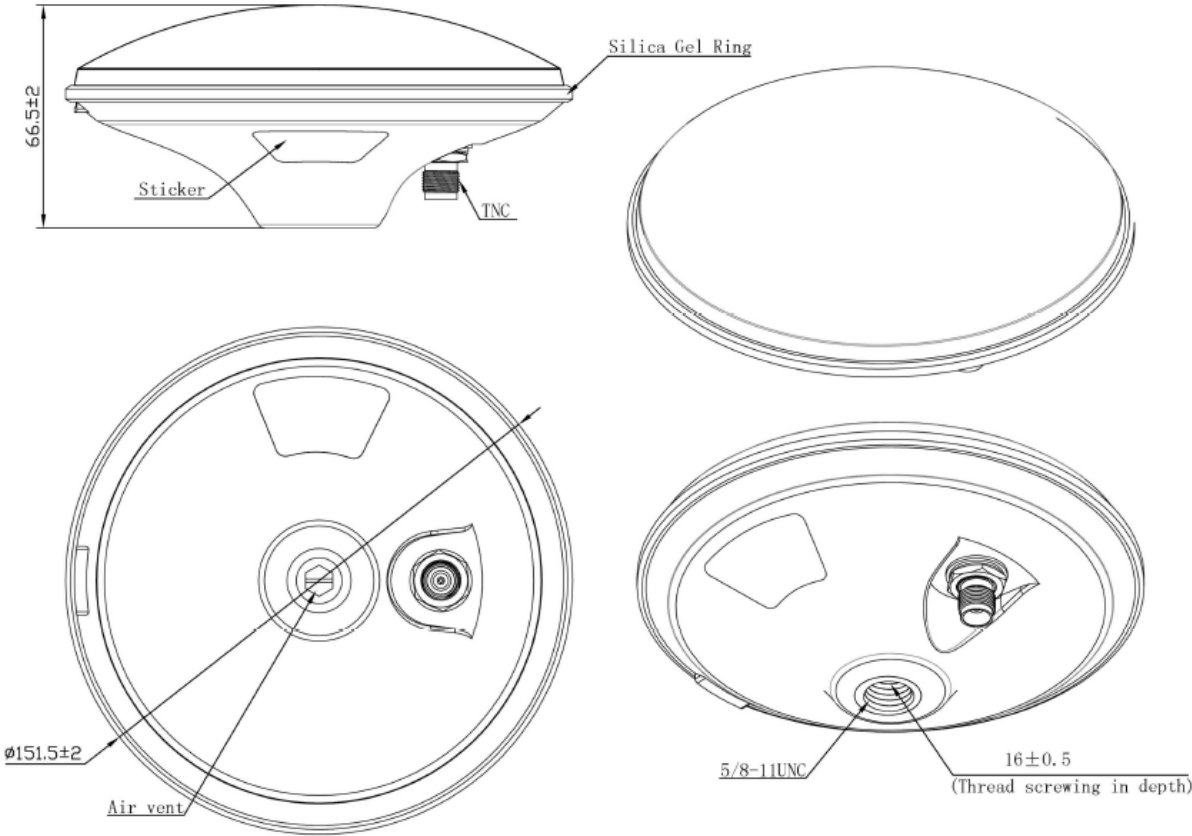


NANEA151x66DJG1R575G3TF

GNSS Surveying External Antenna



Dimension Drawing



Unit:mm

Dimensions (mm) & Mechanical

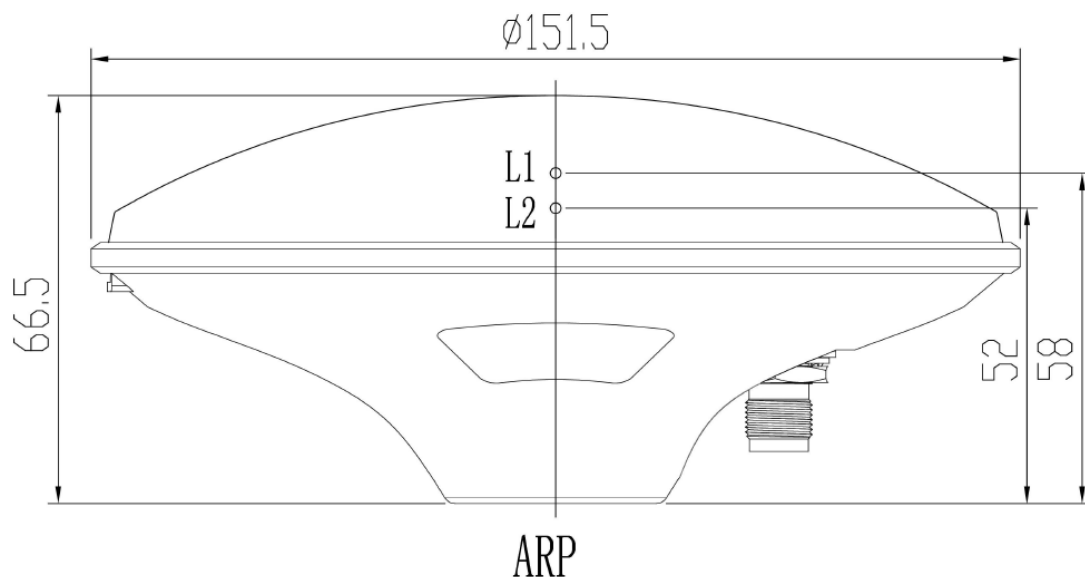
Diameter	151.5 ± 2
Height	66.5 ± 2
Connector Type	TNC-K
Mounting Method	Screw
Radome Material	ASA

NANEA151x66DJG1R575G3TF

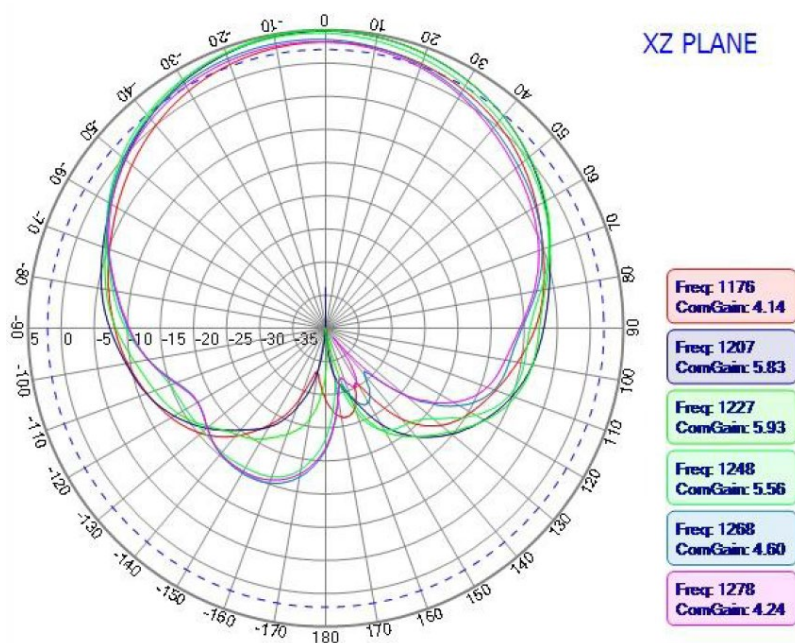
GNSS Surveying External Antenna



Radiation Patterns



Mechanical Offsets Units in “mm”



NANEA151x66DJG1R575G3TF

GNSS Surveying External Antenna

