

NANF32X10AJW2R450G2F

2.4 / 5.0 GHz WiFi FPC Antenna



Description

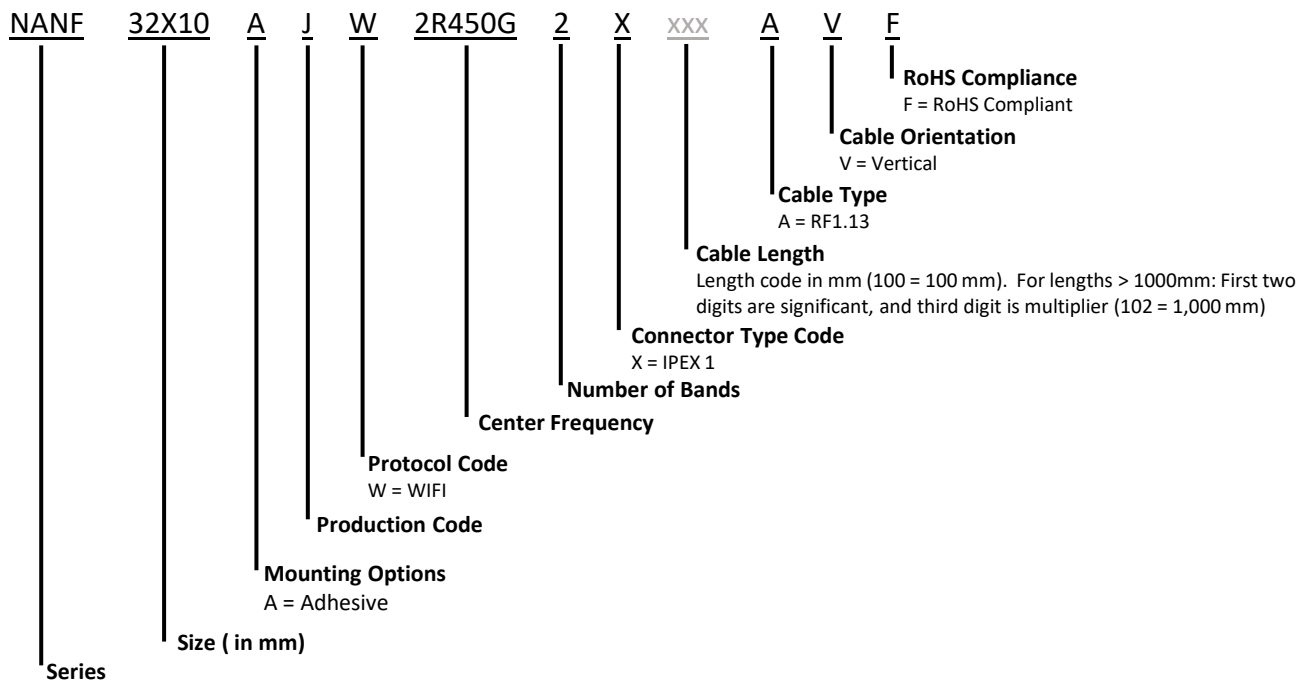
NANF32X10AJW2R450G2F is a Flexible PCB antenna designed for WIFI applications. It operates within the frequency ranges of 2400~2500MHz and 5000 ~5800 MHz, making it perfect for use in Gateways, Smart Meters, Routers and Commercial / Handheld Electronics

Features

- Support WIFI Bands 2400~2500MHz, 5000~5800MHz
- Customizable Cables & Connectors
- Flexible in layout
- RoHS Compliant



Part Number Breakdown



Standard Part Number Breakdowns

Part Numbers	Protocol	Connector Type	Cable Type	Cable Length
NANF32X10AJW2R450G2X150AVF	WIFI	IPEX	RF1.13	150 mm
NANF32X10AJW2R450G2X250AVF	WIFI	IPEX	RF1.13	250 mm
NANF32X10AJW2R450G2X300AVF	WIFI	IPEX	RF1.13	300 mm

The table represents assembled part numbers available on www.niccomp.com from standard connector and cable options. For options not listed above please contact NIC"

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Specifications

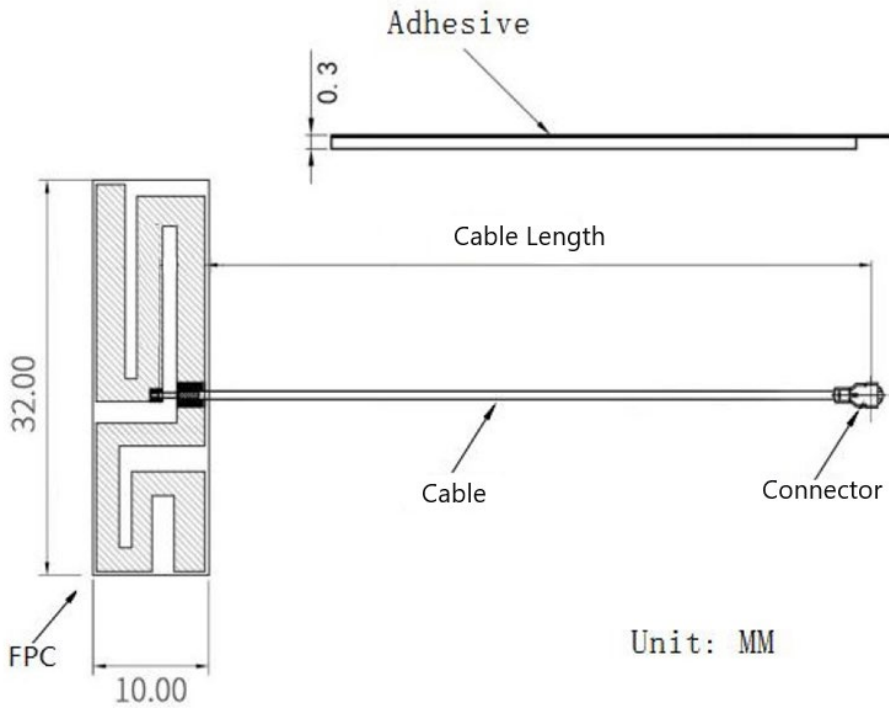
Electrical	
Frequency Range	2400~2500MHz 5000 ~5800 MHz
Peak Gain (typ.)	3.0 dBi
V.S.W.R	< 3.0
Polarization	Linear
Impedance	50Ω
Environmental	
Operating Temperature	-30°C~+80°C
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Mounting Method	Adhesive
RoHs Compliant	Yes

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Dimension Drawing



Dimensions (mm) & Mechanical

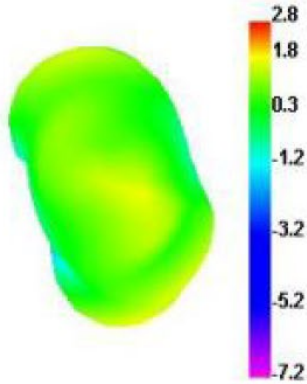
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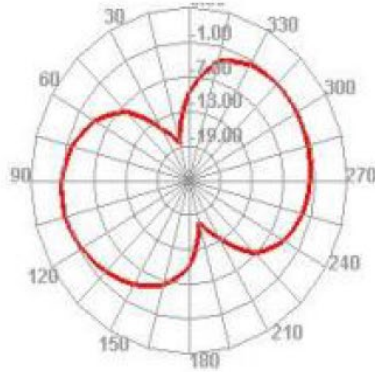


Radiation Patterns:

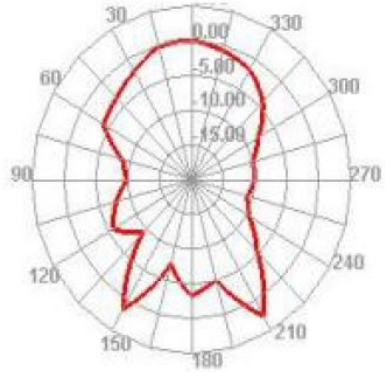
2400.000MHz



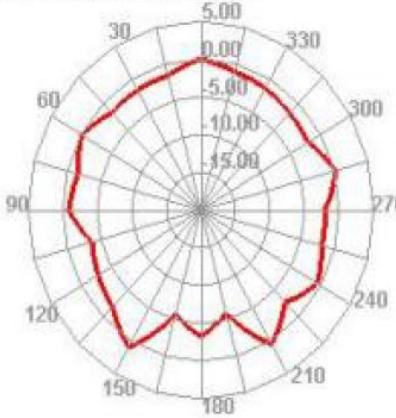
2400.000MHz H



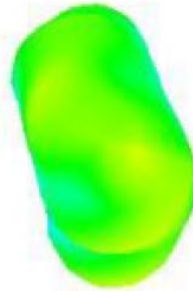
2400.000MHz E1



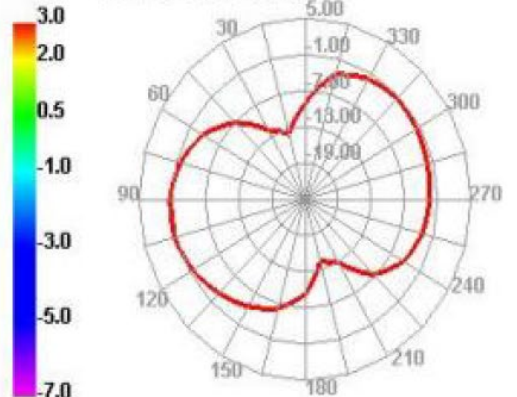
2400.000MHz E2



2450.000MHz



2450.000MHz H

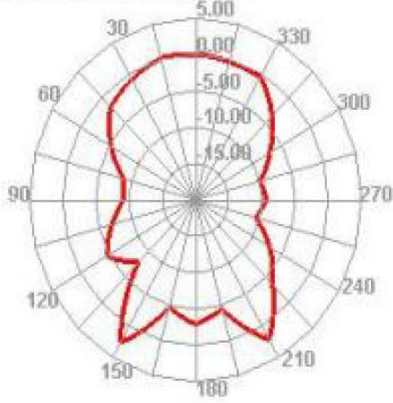


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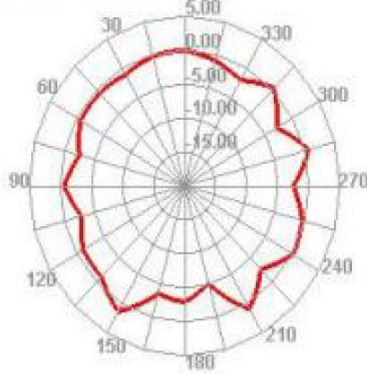
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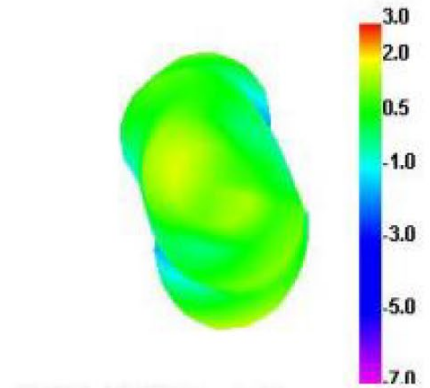
2450.000MHz E1



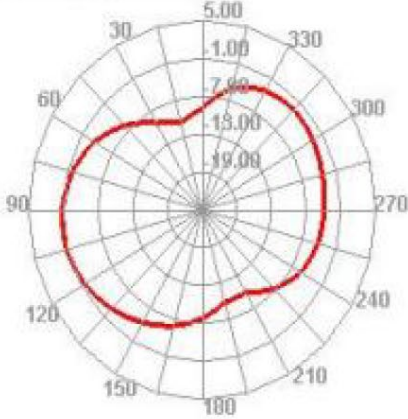
2450.000MHz E2



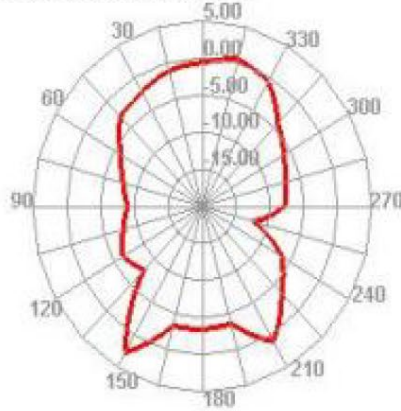
2500.000MHz



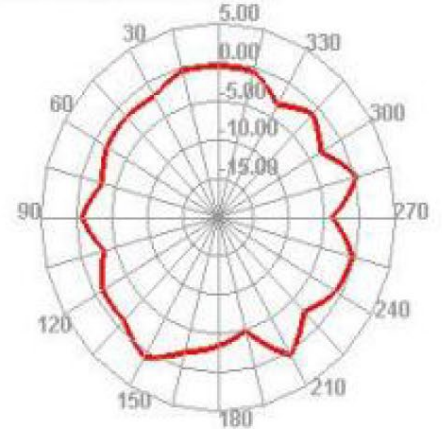
2500.000MHz H



2500.000MHz E1



2500.000MHz E2

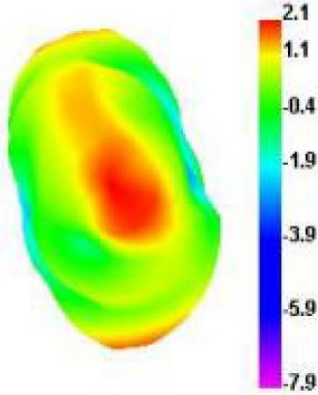


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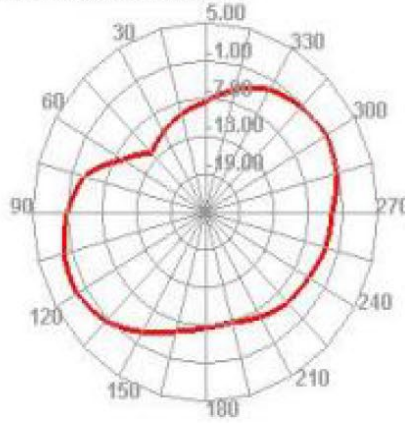
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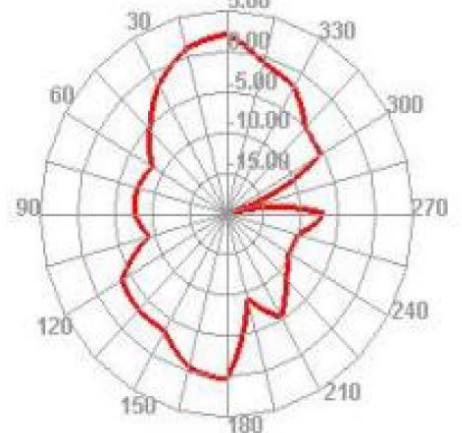
4900.000MHz



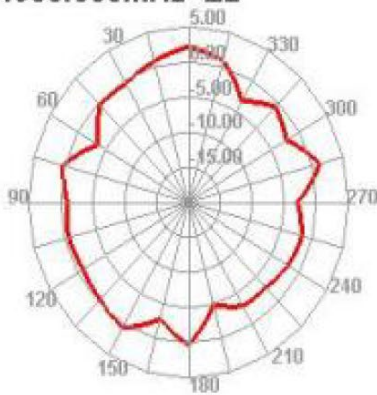
4900.000MHz H



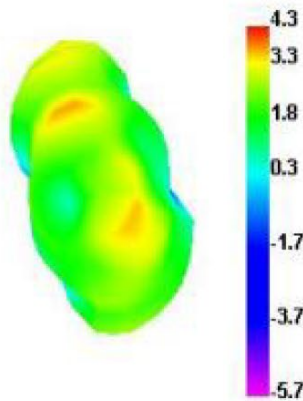
4900.000MHz E1



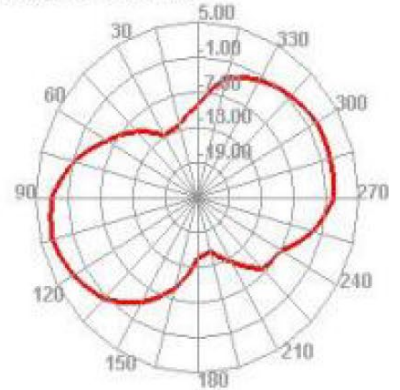
4900.000MHz E2



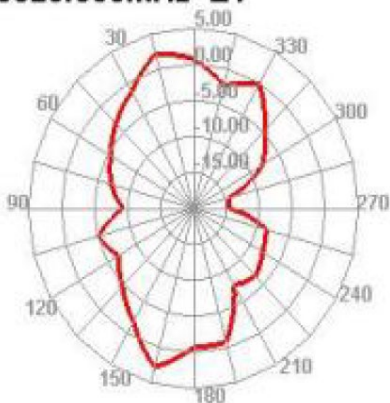
5825.000MHz



5825.000MHz H



5825.000MHz E1



5825.000MHz E2

