

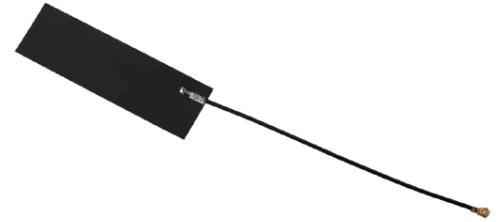
NANP34X7AUS0R868G2F

868 / 915 MHz ISM PCB Antenna



Description

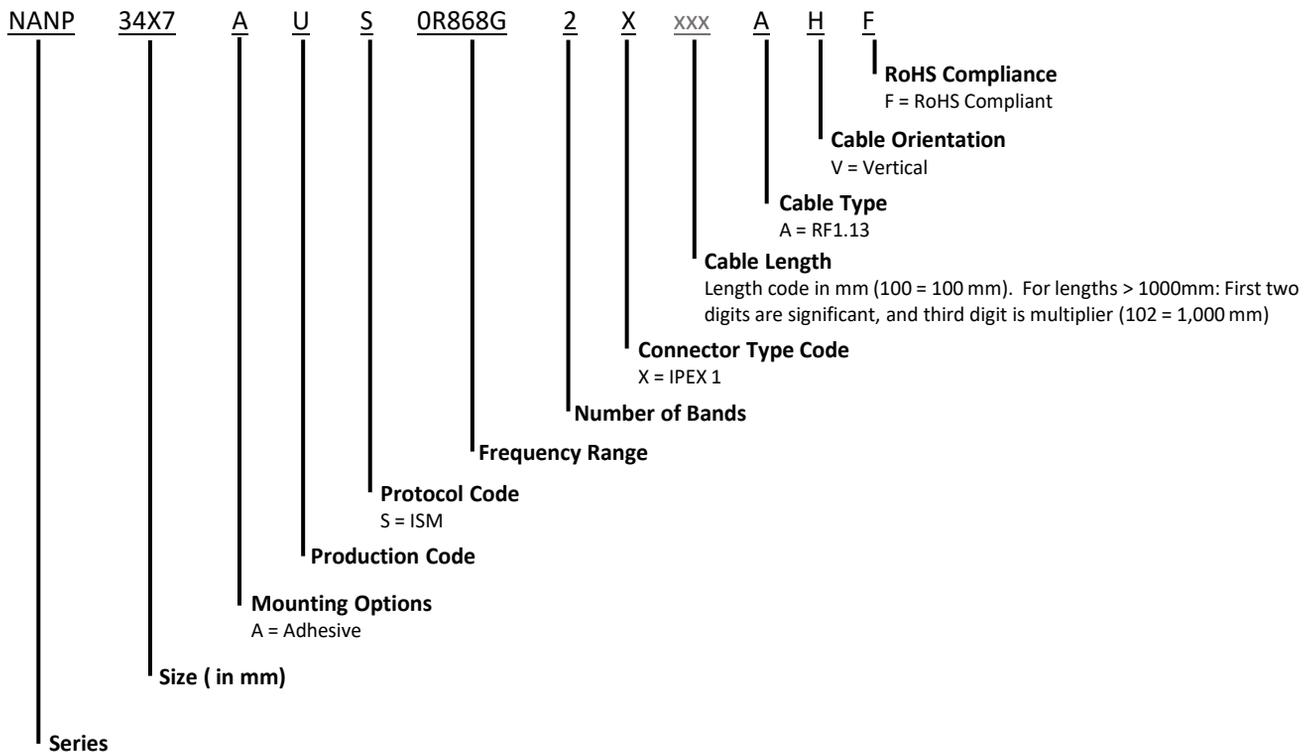
The NANP34X7AUS0R868G2F is a Rigid PCB antenna designed for dual-band WIFI applications. It operates within the frequency ranges of 868 MHz and 915 MHz, making it perfect for use in Industrial, Sciences, Medical Communication and Machine to Machine Communication



Features

- 868 / 915 MHz ISM Bands
- Tiny PCB Antenna with Adhesive Foam, Easy for Integration
- Fast Installation with IPEX Connector

Part Number Breakdown



Standard Part Number Breakdowns

Part Number	Connector	Cable Length	Cable Type	Cable Orientation
NANP34X7AUS0R868G2X100AHF	IPEX (X)	100 mm	RF1.13(A)	Horizontal
NANP34X7AUS0R868G2X60AHF	IPEX (X)	60 mm	RF1.13(A)	Horizontal

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"

NANP34X7AUS0R868G2F

868 / 915 MHz ISM PCB Antenna

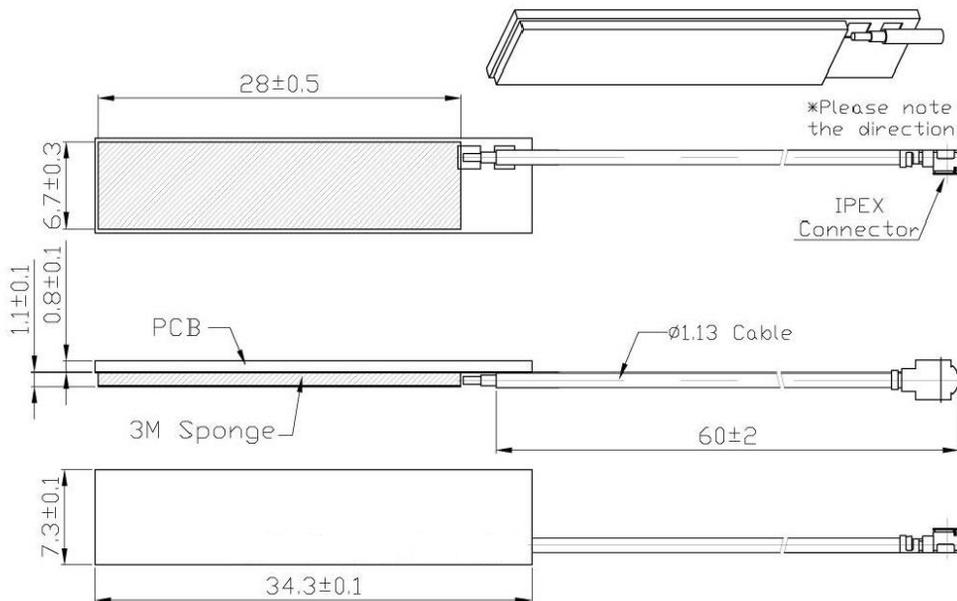


Specifications

Electrical		
Frequency Range (MHz)	868 MHz	915 MHz
Gain		2 dBi
V.S.W.R		< 2.5
Polarization		Linear
Impedance		50Ω

Environmental	
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+80°C
RoHS Compliant	Yes

Dimensions





Return Loss

S11 FORWARD REFLECTION
CHN1

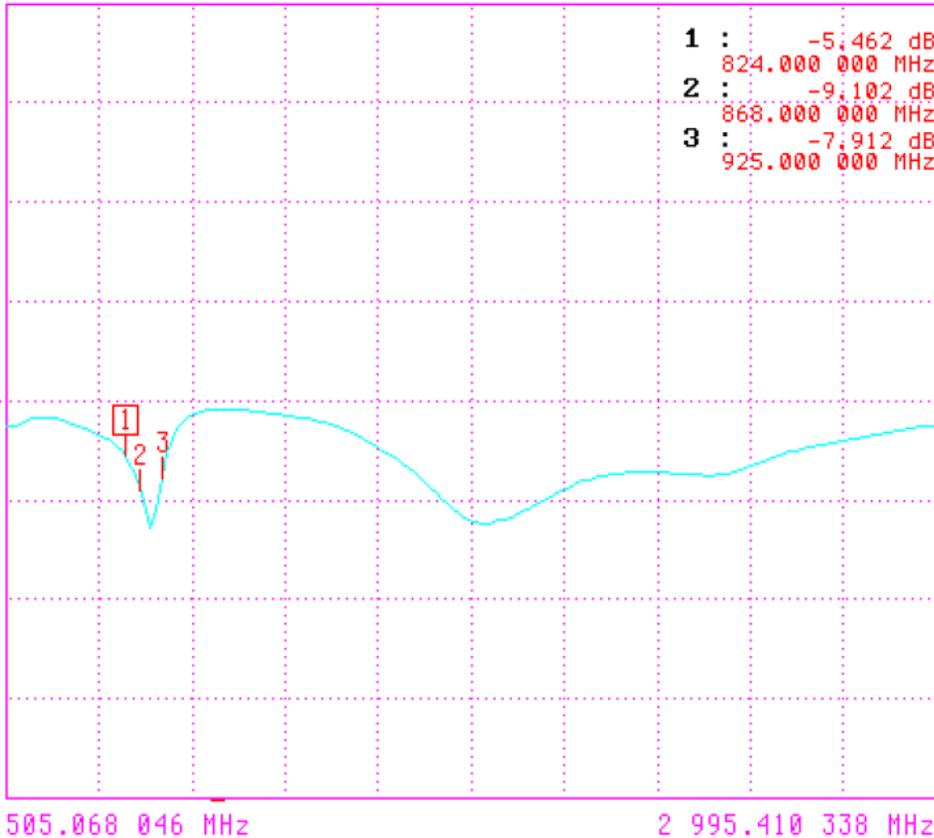
TRANSMISSION/REFLECTION

GRAPH TYPE

LOG MAGNITUDE

REF=0.000 dB

10.000 dB/DIV



LOG MAGNITUDE

PHASE

LOG MAGNITUDE AND PHASE

SMITH CHART (IMPEDANCE)

SWR

GROUP DELAY

MORE

RETURN

NANP34X7AUS0R868G2F

868 / 915 MHz ISM PCB Antenna



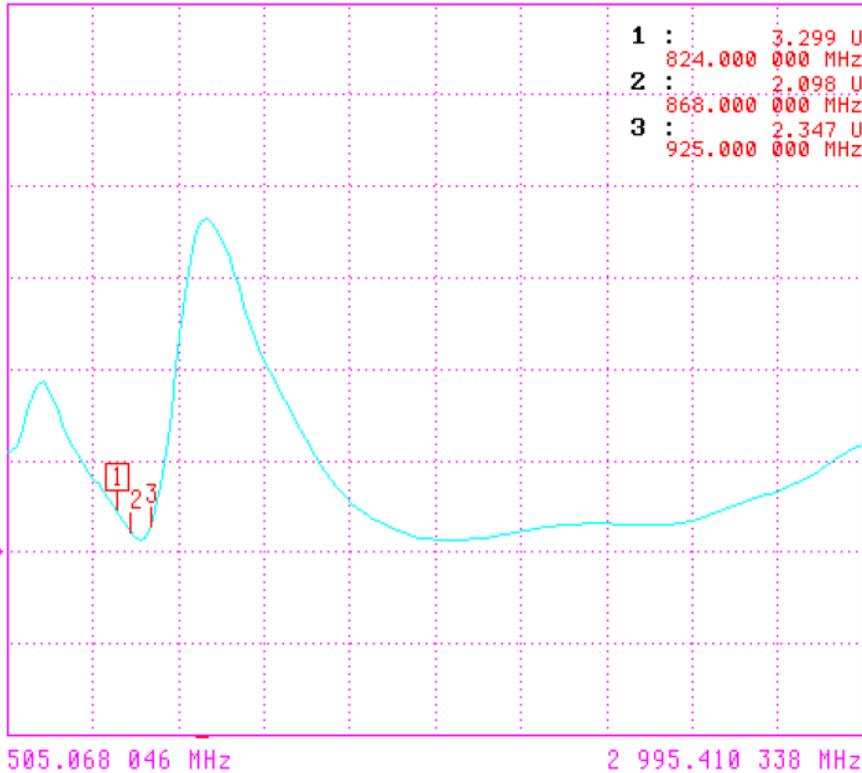
V.S.W.R

S11 FORWARD REFLECTION
CHN1

TRANSMISSION/REFLECTION

CH 1 - S11
REFERENCE PLANE
0.0000 mm

SWR ▶ REF=1.000 U 5.000 U/DIV



▶ 1: 824.000000 MHz
3.299 U

2: 868.000000 MHz
2.098 U

3: 925.000000 MHz
2.347 U

4: OFF

MARKER TO PEAK

MORE

NANP34X7AUS0R868G2F

868 / 915 MHz ISM PCB Antenna



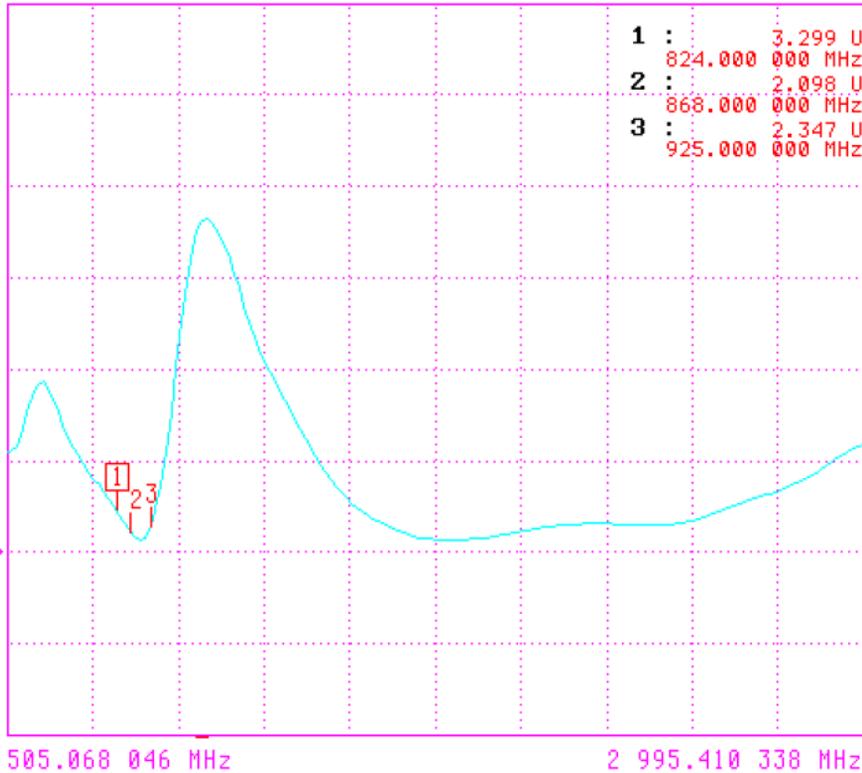
V.S.W.R

S11 FORWARD REFLECTION
CHN1

TRANSMISSION/REFLECTION

CH 1 - S11
REFERENCE PLANE
0.0000 mm

SWR ▶ REF=1.000 U 5.000 U/DIV



▶ 1: 824.000000 MHz
3.299 U

2: 868.000000 MHz
2.098 U

3: 925.000000 MHz
2.347 U

4: OFF

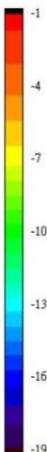
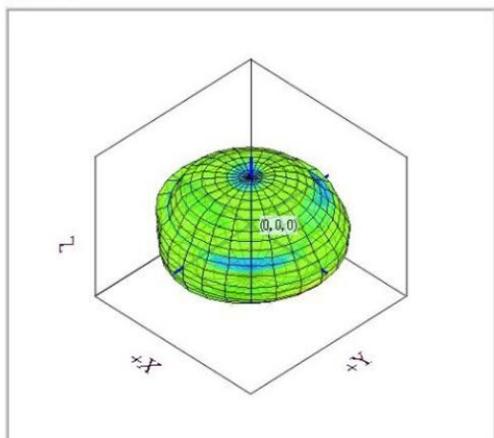
MARKER TO PEAK

MORE

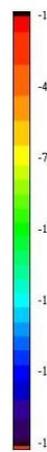
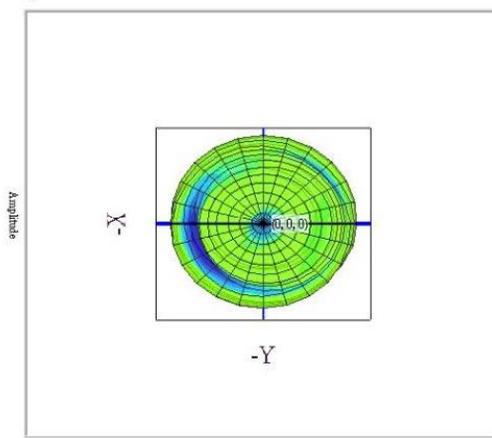
Radiation Patterns

868MHz (dBi)

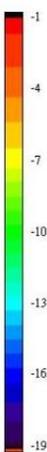
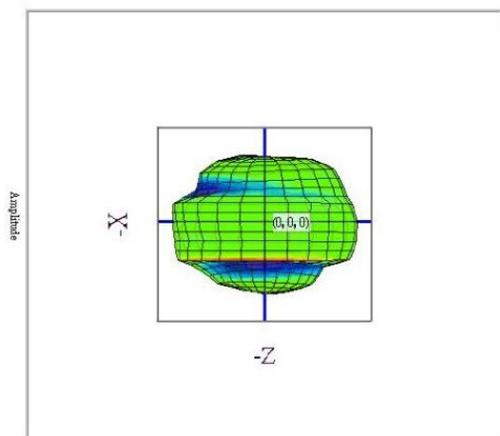
userdefine



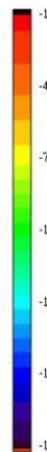
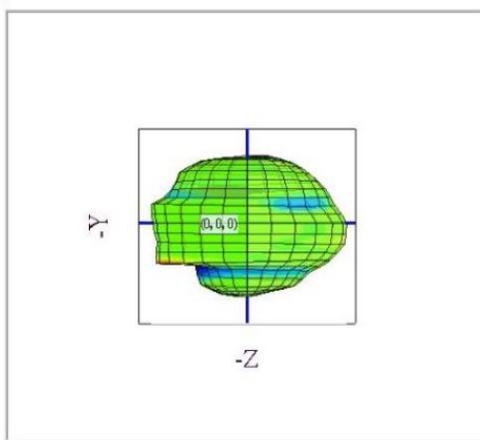
xy



xz

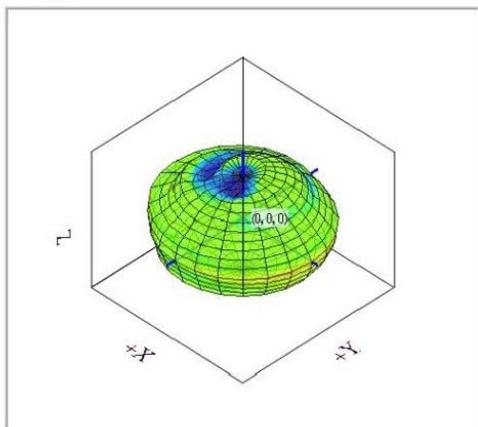


yz

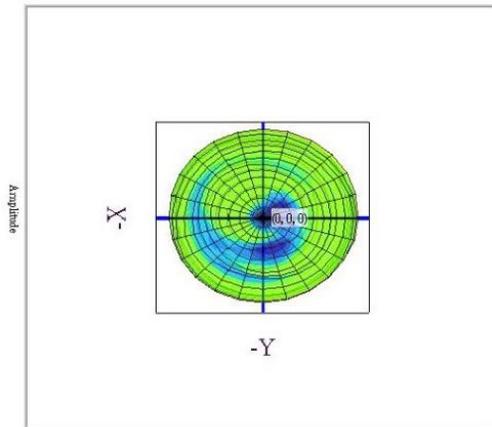


915MHz (dBi)

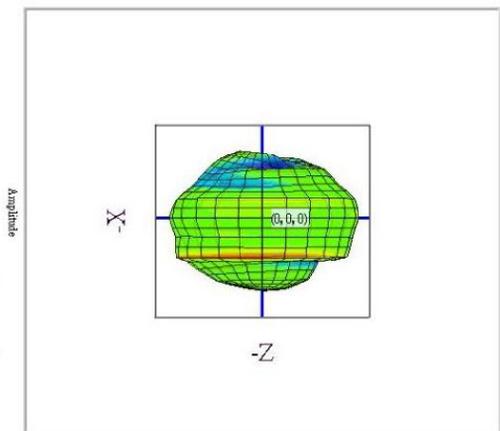
userdefine



xy



xz



yz

