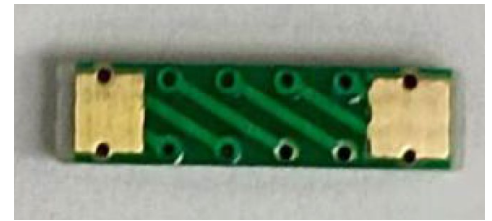


FEATURES

- Four Helix Antenna
- Dual Band Frequency
- RoHS Compliant

APPLICATION

- IEEE 802.11a/b/g/n Wi-Fi
- 5 GHz WLAN
- 2.4 GHz WLAN
- 2.4 GHz ISM Band Systems
- 5 GHz ISM Band Systems
- ZigBee IEEE 802.15.4



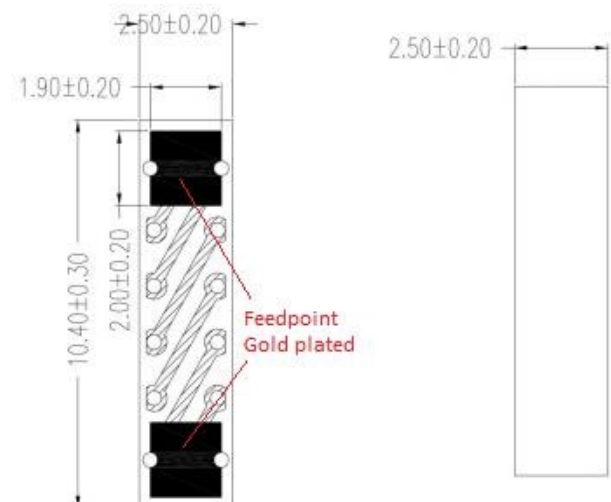
RoHS Compliant

includes all homogeneous materials
(see part numbering system for details)

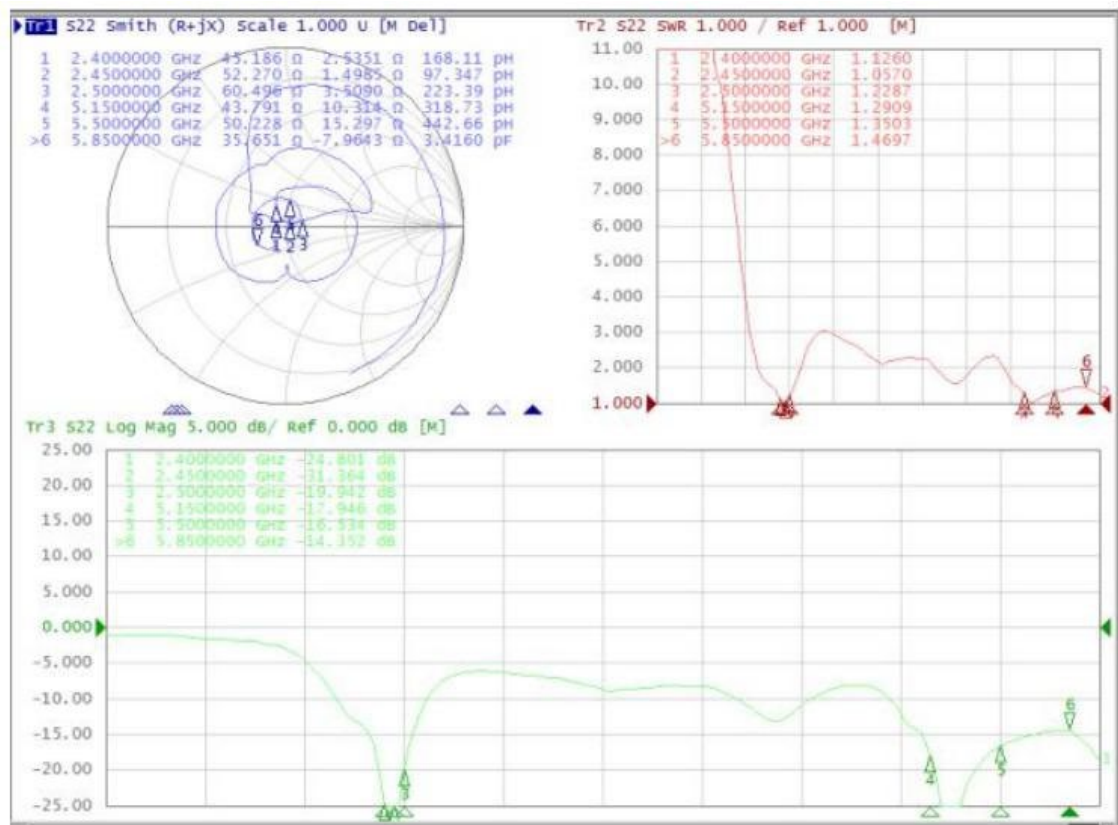
SPECIFICATIONS

PN: NAN-CW2B1025AF	
Electrical	
Frequency Range	2400~2500 MHz 5100~5900 MHz
V.S.W.R	< 2
Gain	2.0 dBi (max)
Polarization	Linear
Impedance	50Ω
Dimensions (mm)	
Length	10.4 ± 0.3
Width	2.5 ± 0.2
Height	2.5 ± 0.2
Environmental	
Operating Temperature	-30°C~+75°C
RoHS Compliant	Yes

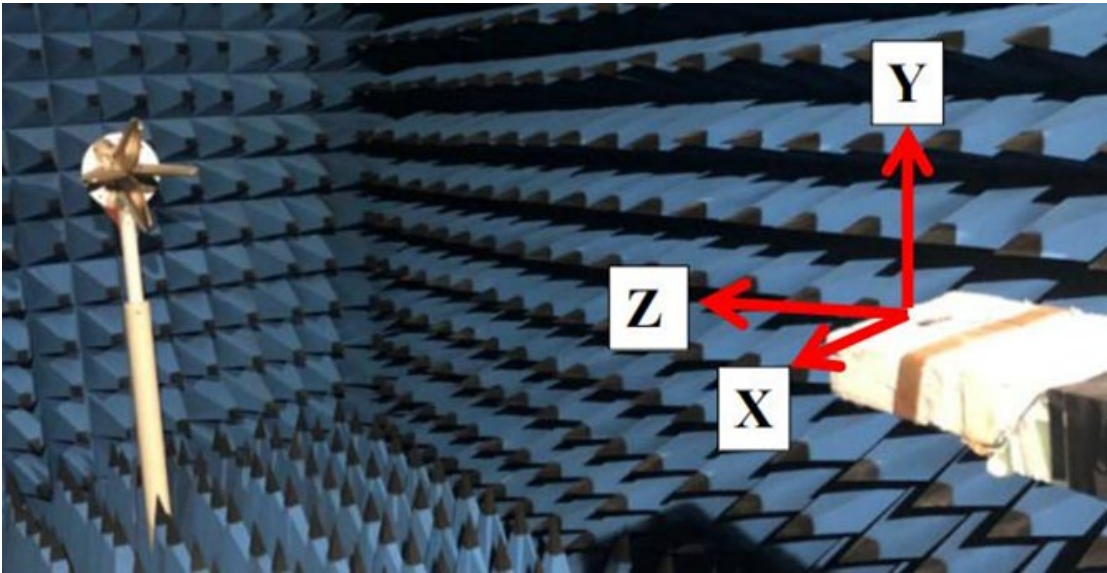
NAN-C **W** **2B** **1025** **A** **F**
 ↓ ↓ ↓ ↓ ↓
 NAN-C = Series W = WiFi Antenna 2B = 2 Frequency Bands 1025 = Size (10.4mm x 2.5 mm) A = Version Code (See page 5) F = RoHS compliant



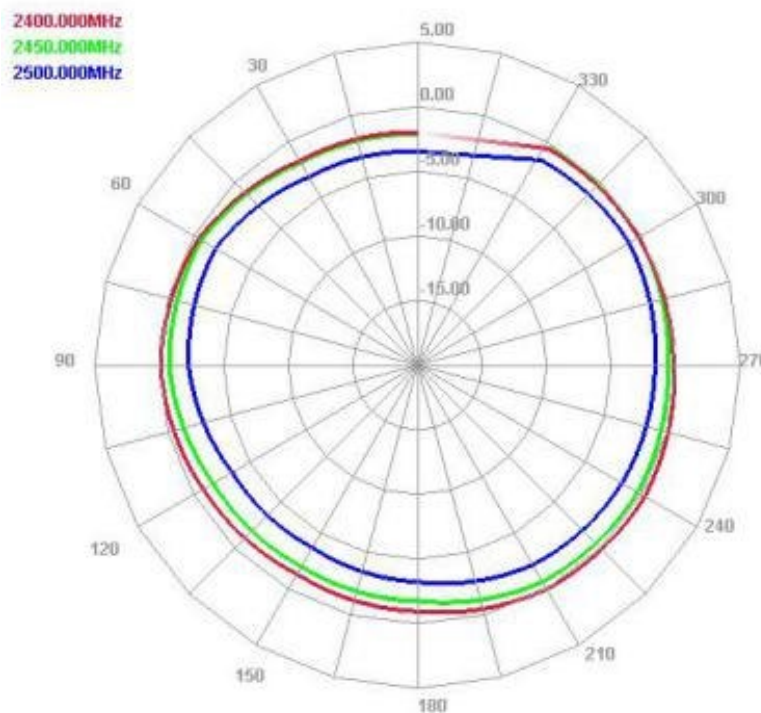
VSWR



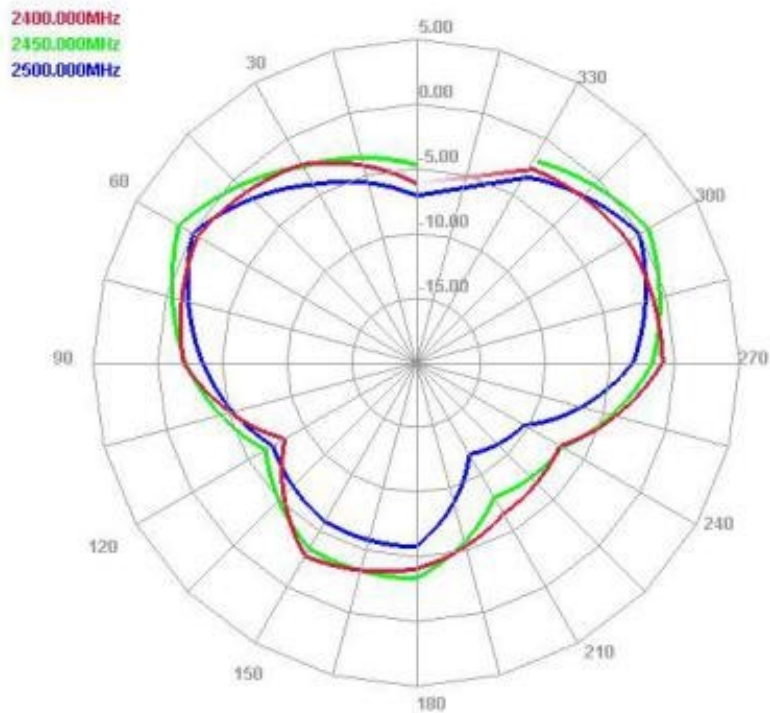
ANTENNA PATTERN



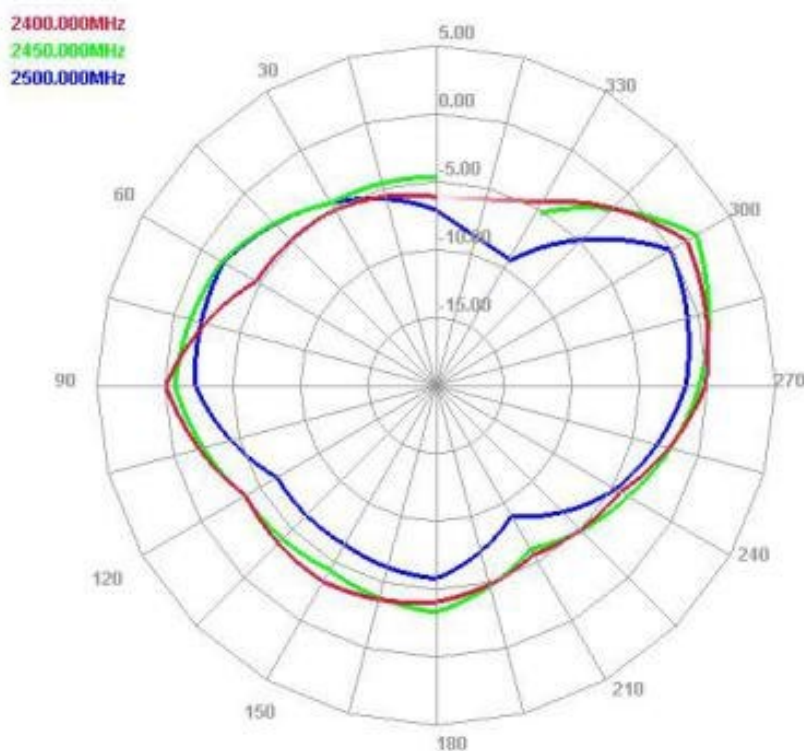
Horizontal



E1 Face

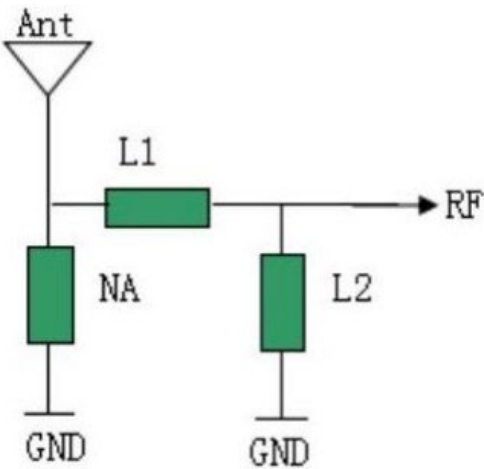
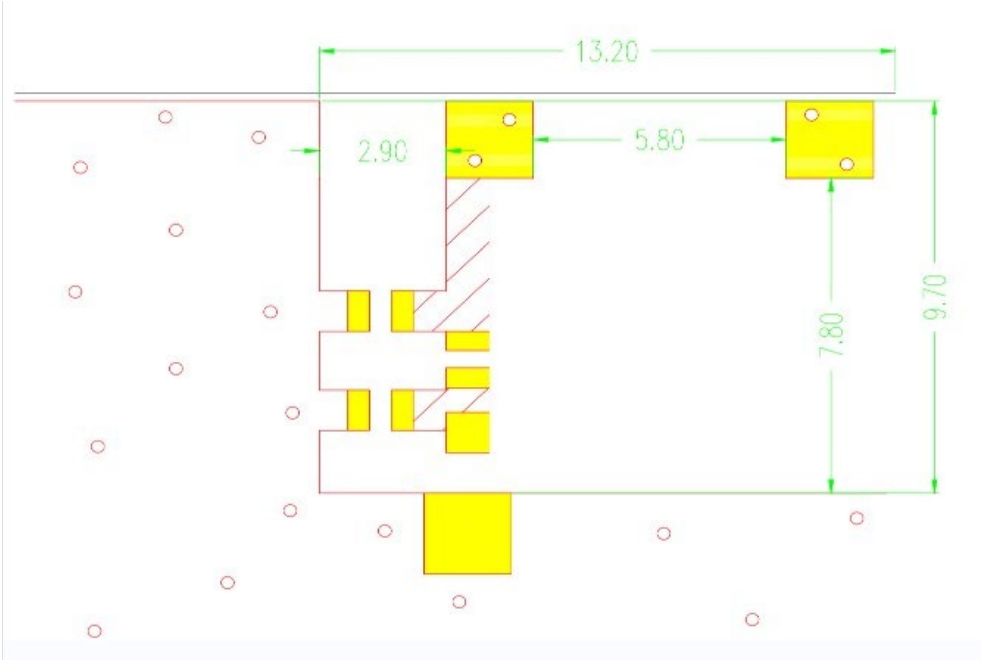


E2 Face



Matching Circuit

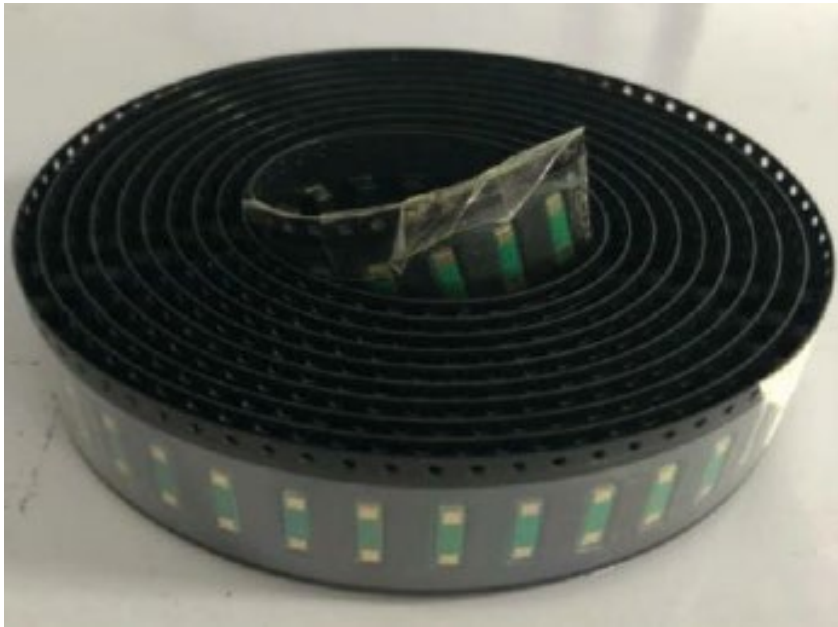
The gold areas represent the antenna clearance requirement. Any recommendations on the matching circuit will be provided according to the customer's installation conditions.



System Matching Circuit Component			
Location	Description	Tolerance	NIC Part Number
L1	3nH	±0.1nH	NML-SQ02B3N0TR600F
L2	5nH	±0.1nH	NIN-SK5N0BTR1770F
N/A	N/A	N/A	N/A

Packing

4000 pcs per Reel



Version History and Status

Version	Date Issued	Details	Status
A	August 4 th , 2021	Initial Release	Supported

Please reach out to NIC for any customization requests and other inquiries:

- NIC Technical Support: tpmg@niccomp.com
- Compliance Support: rohs@niccomp.com