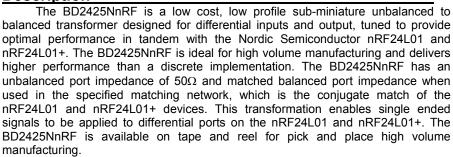






(Anaren Application Note Ann-3001)





Detailed Electrical Specifications: Specifications subject to change without notice.

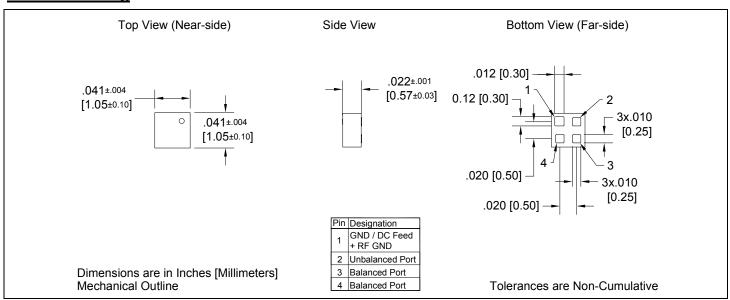
Features:

- 2400 2525 MHz
- 0.57 mm Height Profile
- Matched to Nordic Semiconductor nRF24L01 and nRF24L01+
- Low Insertion Loss
- Surface Mountable
- Tape & Reel
- Non-conductive Surface
- RoHS Compliant

	ROOM (25°C)			
Parameter	Min.	Тур.	Max	Unit
Frequency	2400		2525	MHz
Unbalanced Port Impedance**		50		Ω
Balanced Port Impedance**		Matched		Ω
Return Loss**		10.2		dB
Insertion Loss* **		1.25		dB
Power Handling			1	Watts
Operating Temperature	-55		+85	°C

^{*} Insertion Loss stated at room temperature (Insertion Loss is approximately 0.1 dB higher at +85 °C)

Outline Drawing







Available on Tape and Reel for Pick and Place Manufacturing.

USA/Canada: (315) 432-8909 Toll Free: (800) 411-6596 Europe: +44 2392-232392

^{**} Stated performance assumes proper matching network found in application note: Ann-3001

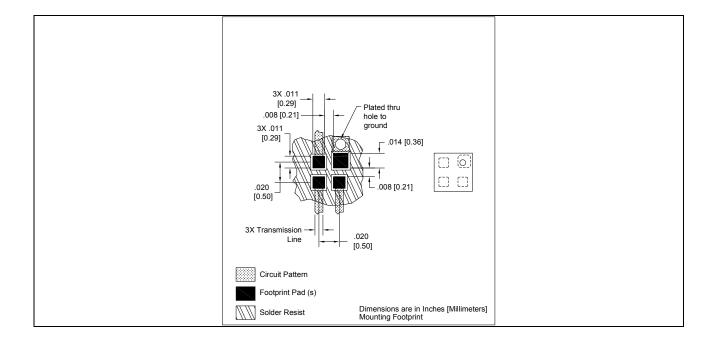


Mounting Configuration:

In order for Xinger surface mount components to work optimally, the proper impedance transmission lines must be used to connect to the RF ports. If this condition is not satisfied, insertion loss, Isolation and VSWR may not meet published specifications.

All of the Xinger components are constructed from ceramic filled PTFE composites which possess excellent electrical and mechanical stability having X and Y thermal coefficient of expansion (CTE) of 17 ppm/°C.

An example of the PCB footprint used in the testing of these parts is shown below. An example of a DC-biased footprint is also shown below. In specific designs, the transmission line widths need to be adjusted to the unique dielectric coefficients and thicknesses as well as varying pick and place equipment tolerances

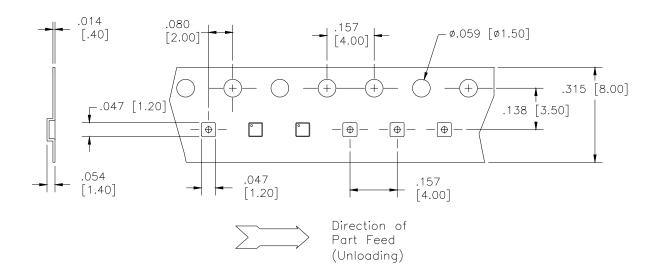


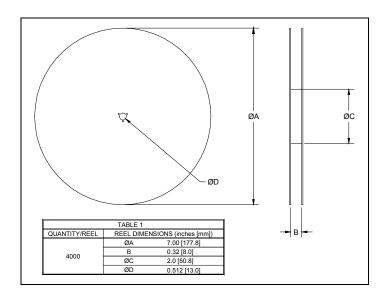




Packaging and Ordering Information

Parts are available in reel and are packaged per EIA 481-2. Parts are oriented in tape and reel as shown below. Minimum order quantities are 4000 per reel. See Model Numbers below for further ordering information.









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