



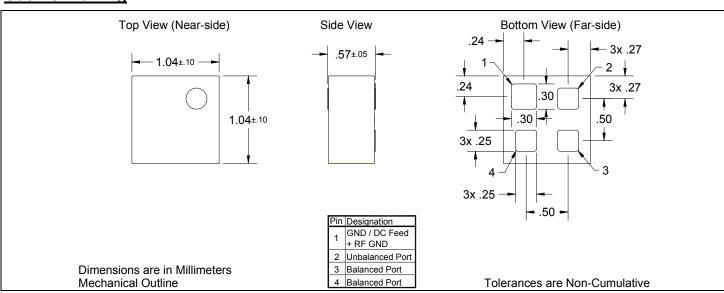
<b>Featur</b>	es:

- 3100 5000 MHz
- 0.57mm Height Profile
- 50 Ohm to 2 x 50 Ohm
- **Low Insertion Loss**
- **UWB & MMDS**
- **Surface Mountable**
- Tape & Reel
- **Non-conductive Surface**
- **RoHS Compliant**
- **Halogen Free**

	ROOM (25°C)			
Parameter	Min.	Тур.	Max	Unit
Frequency	3100		5000	MHz
Unbalanced Port Impedance		50		Ω
Balanced Port Impedance		100		Ω
Return Loss	16	21	_	dB
Insertion Loss*		0.6	0.7	dB
Amplitude Balance		0.8	1.3	dB
Phase Balance		3	7	Degrees
CMRR		26		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

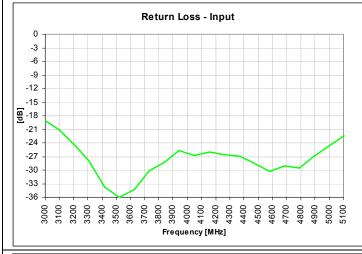


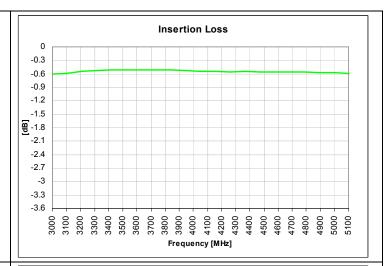


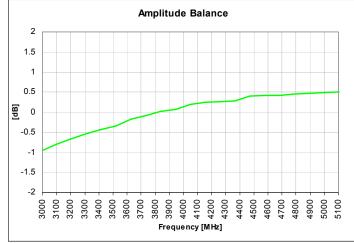
USA/Canada: (315) 432-8909 Toll Free: (800) 411-6596 Europe: +44 2392-232392 +86 512-62749282 Asia:

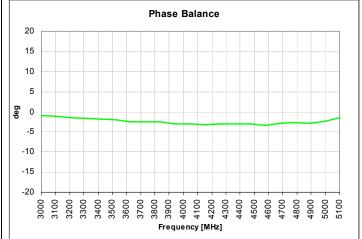


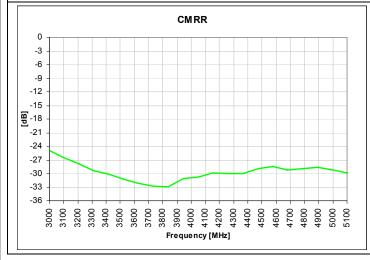
# Typical Performance:3000 MHz. to 5100 MHz.











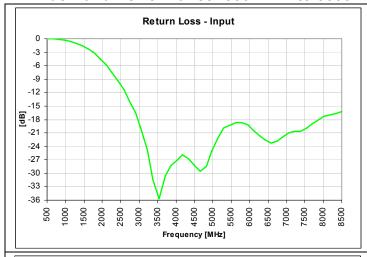


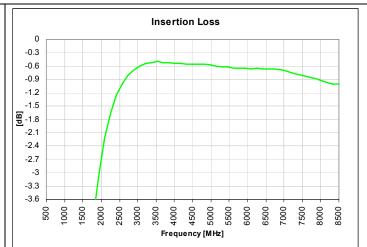
USA/Canada: Visit us at Toll Free: Europe: www.Anaren.com

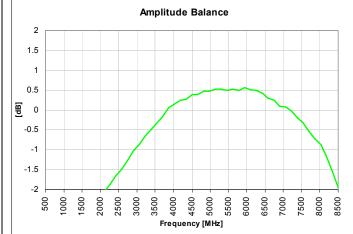
(315) 432-8909 (800) 411-6596 +44 2392-232392 Asia: +86 512-62749282

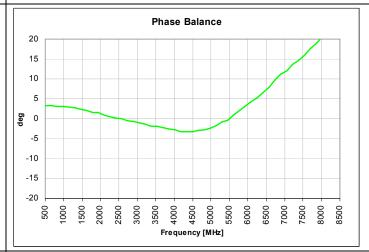


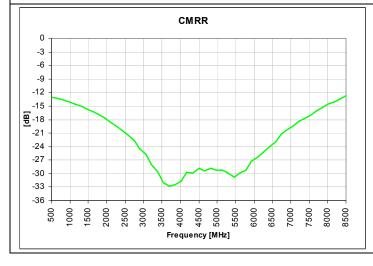
### Wide Band Performance: 500 MHz. to 8500 MHz.













USA/Canada: (315) 432-8909 Toll Free: (800) 411-6596 Europe: +44 2392-232392 Asia: +86 512-62749282

# Model BD3150N50100AHF



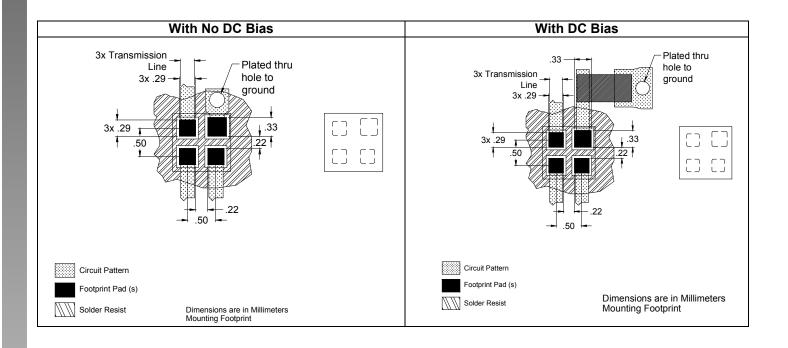


### **Mounting Configuration:**

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 organic PTFE based composites which possess excellent electrical and mechanical stability. Xinger components are compliant to a variety of ROHS and Green standards and ready for Pb-free soldering processes. Pads are Gold plated with a Nickel barrier.

An example of the PCB footprint used in the testing of these parts is 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.



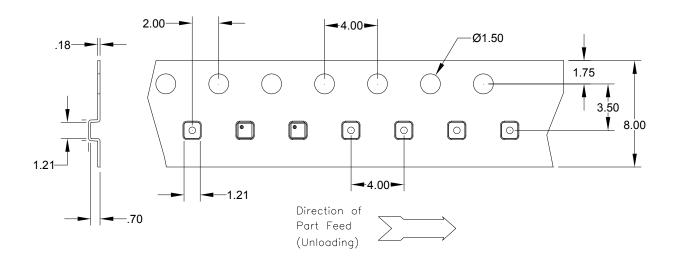


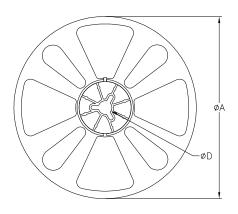
USA/Canada: (315) 432-8909 Toll Free: (800) 411-6596 Europe: +44 2392-232392 Asia: +86 512-62749282



### **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.





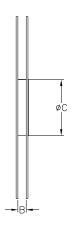


TABLE 1				
QUANTITY/REEL	REEL DIMENSIONS mm			
4000	ØA	177.80		
	В	8.00		
	øС	50.80		
	ØD	13.00		

USA/Canada: (315) 432-8909 Toll Free: (800) 411-6596 Europe: +44 2392-232392 Asia: +86 512-62749282

# AMEYA360 Components Supply Platform

# **Authorized Distribution Brand:**

























# Website:

Welcome to visit www.ameya360.com

# Contact Us:

# > Address:

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

# > Sales:

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

# Customer Service :

Email service@ameya360.com

# Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com