

NBL00515

8-13 GHZ BROADBAND LOW NOISE AMPLIFIER

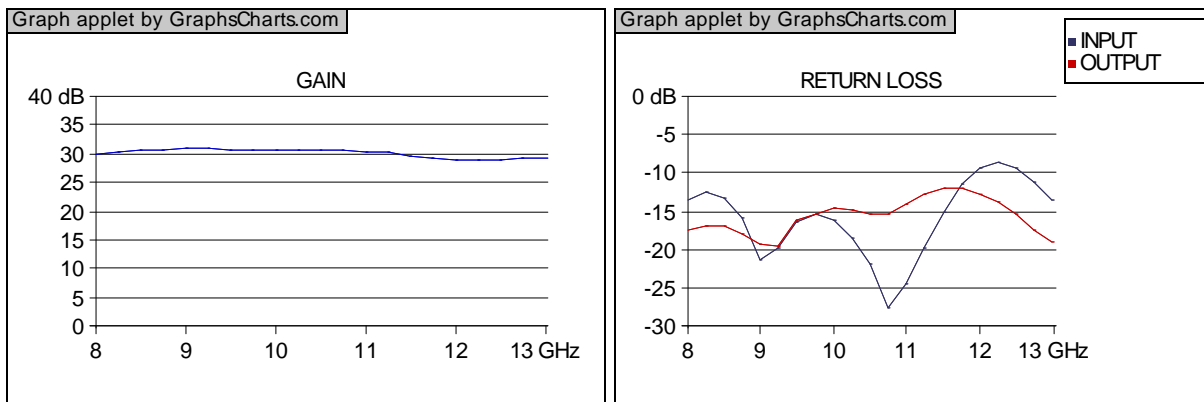
Features:

- Thin Film Hybrid MIC Process
- Field Replaceable RF Connectors
- Reverse Bias Protection

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		13	GHz	
Gain	28			dB	
Gain Flatness			1.5	dB(+/-)	
Noise Figure			2.5	dB	
Power @ 1dB Gain Compression Point	13			dBm	
VSWR Input			2.2		
VSWR Output			2.2		
DC Supply Voltage	11		18	V	
Supplied Current			130	mA	

Typical Test Data



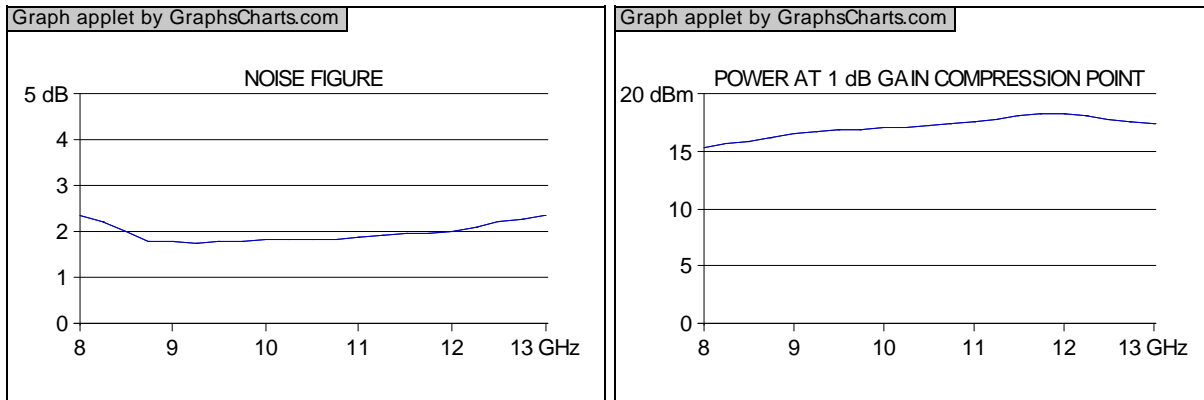
Updated: 6/13/2013



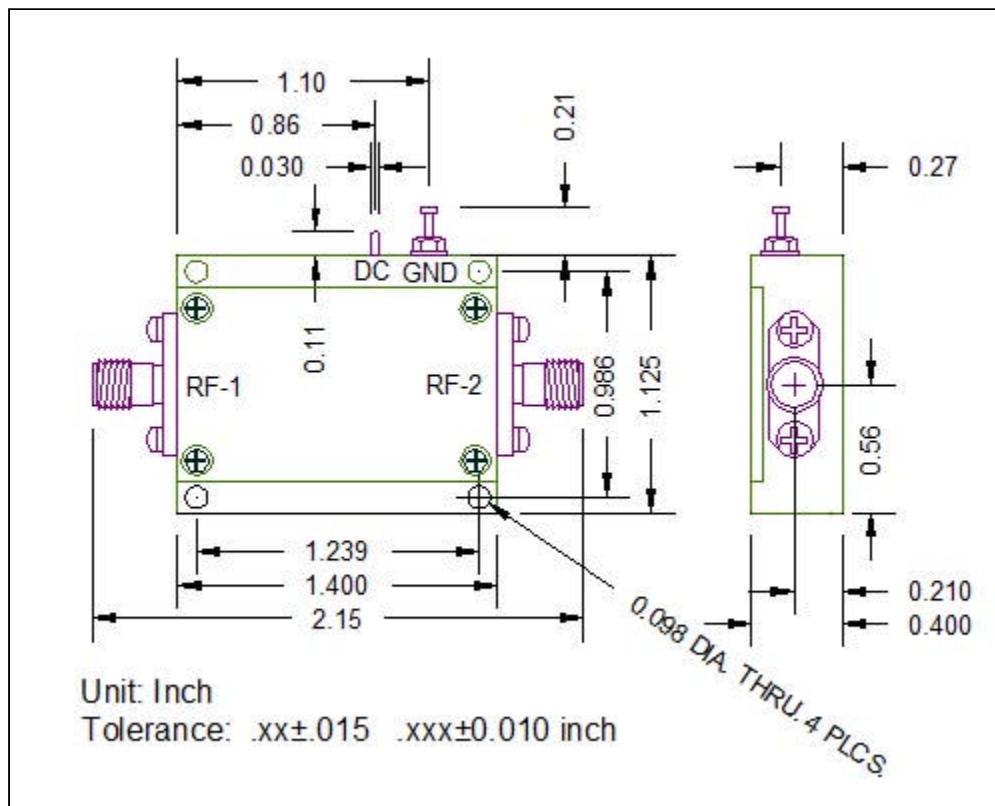
Nextec Microwave & RF, Inc. WWW.NEXTEC-RF.COM
 3010 Scott Blvd., Santa Clara, California 95054
 (408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com

NBL00515

8-13 GHZ BROADBAND LOW NOISE AMPLIFIER



Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	IN	I	RF SIGNAL INPUT
RF-2	SMA-F	1	OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1	+12 V	I	DC INPUT (+11 V TO +18 V)

Updated: 6/13/2013



Nextec Microwave & RF, Inc. WWW.NEXTEC-RF.COM
3010 Scott Blvd., Santa Clara, California 95054
(408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com

NBL00515

8-13 GHZ BROADBAND LOW NOISE AMPLIFIER

GND GROUND LUG 1 GND O GROUND

Updated: 6/13/2013



Nextec Microwave & RF, Inc. WWW.NEXTEC-RF.COM
3010 Scott Blvd., Santa Clara, California 95054
(408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com