

# NBL00445

## 12-18 GHZ LOW NOISE AMPLIFIER

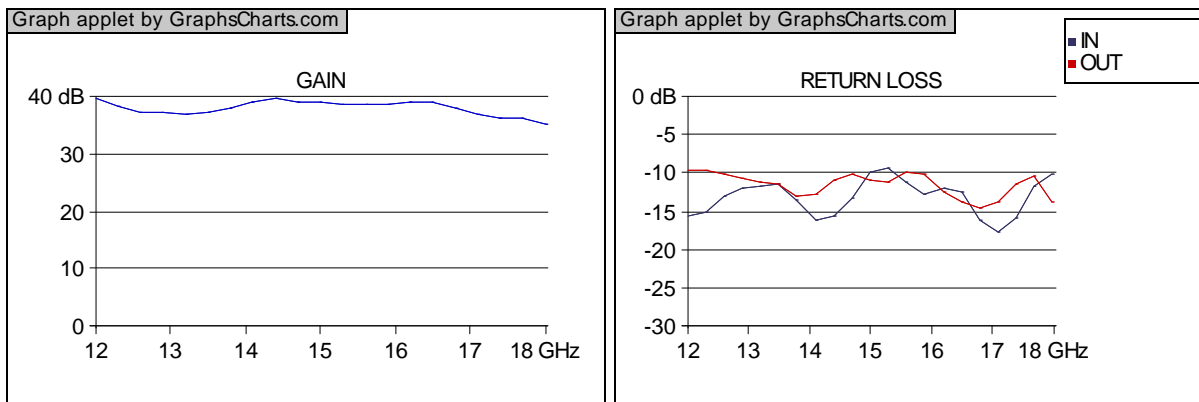
**Features:**

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

**Electrical Performance**

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	12		18	GHz	
Gain	30			dB	
Gain Flatness			3	dB(+/-)	
Noise Figure			2.2	dB	
Power @ 1dB Gain Compression Point	10			dBm	
VSWR Input			2.0		
VSWR Output			2.0		
DC Supply Voltage	+8		+18	V	
Supplied Current			150	mA	

**Typical Test Data**



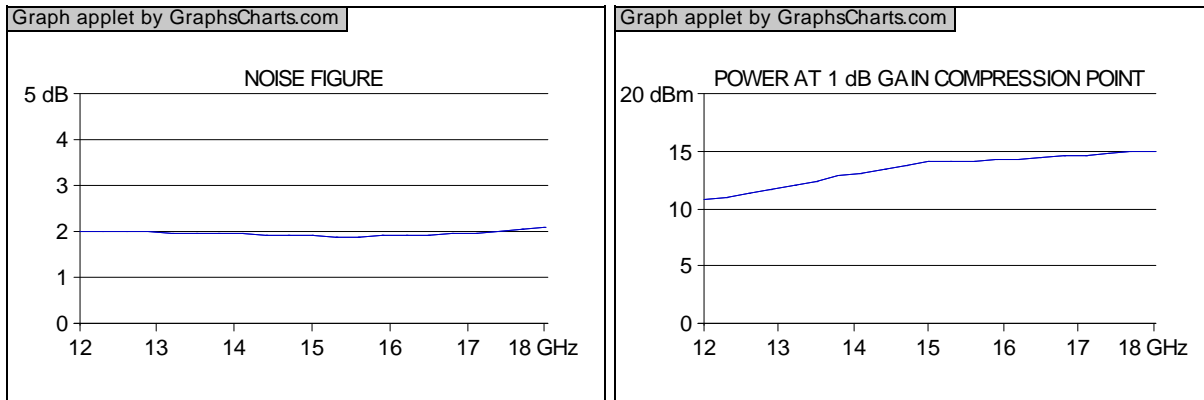
Updated: 6/13/2013



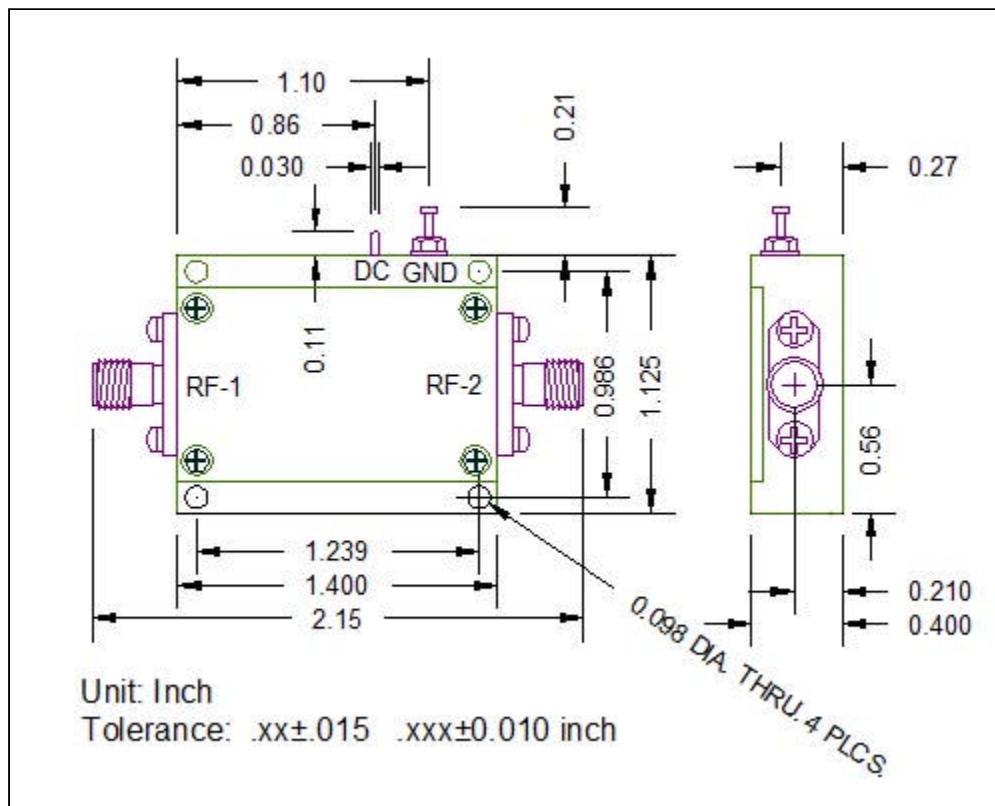
Nextec Microwave & RF, Inc. [WWW.NEXTEC-RF.COM](http://WWW.NEXTEC-RF.COM)  
 3010 Scott Blvd., Santa Clara, California 95054  
 (408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com

# NBL00445

## 12-18 GHZ 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 (+8 TO +18 V)

Updated: 6/13/2013



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

# NBL00445

---

## 12-18 GHZ LOW NOISE AMPLIFIER

GND      GROUND LUG      1 GND      O      GROUND

---

Updated: 6/13/2013



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