

# NBL00528

## 4-8 GHz Broadband Low Noise Amplifier

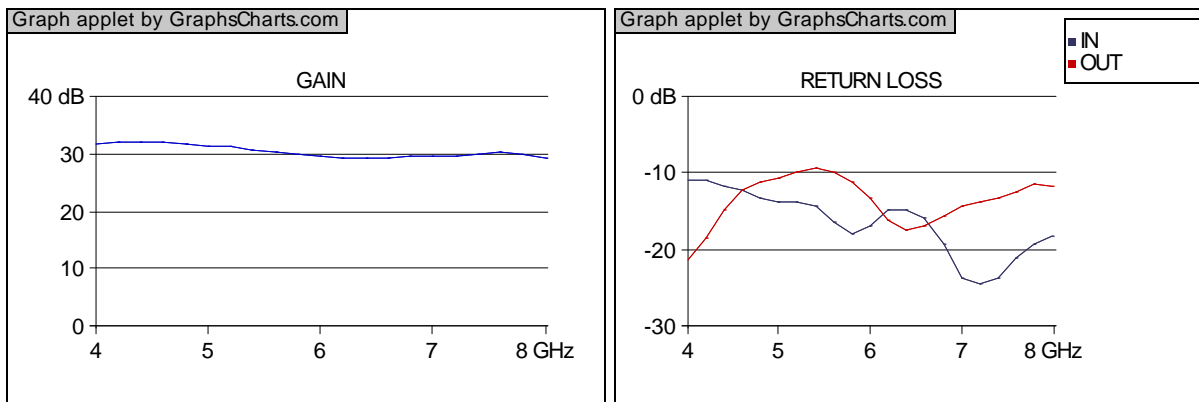
**Features:**

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

**Electrical Performance**

| Parameter                          | Min. | Typ. | Max. | Unit    | Note |
|------------------------------------|------|------|------|---------|------|
| Frequency                          | 4    |      | 8    | GHz     |      |
| Gain                               | 28   |      |      | dB      |      |
| Gain Flatness                      |      |      | 1.5  | dB(+/-) |      |
| VSWR Input                         |      |      | 2.0  |         |      |
| VSWR Output                        |      |      | 2.1  |         |      |
| Power @ 1dB Gain Compression Point | 20   |      |      | dBm     |      |
| Noise Figure                       |      |      | 2    | dB      |      |
| DC Supply Voltage                  | 10   | 15   | 17   | V       |      |
| Supplied Current                   |      |      | 180  | mA      |      |

**Typical Test Data**



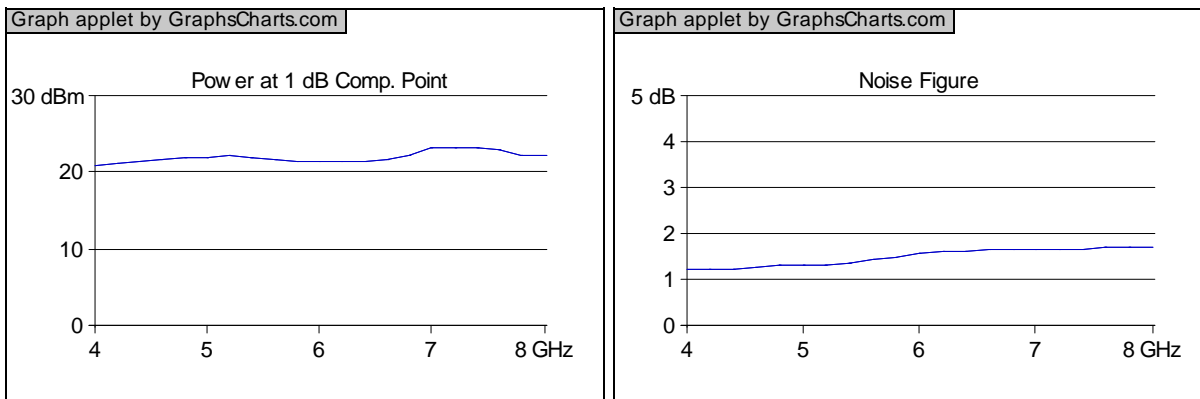
Updated: 9/6/2012



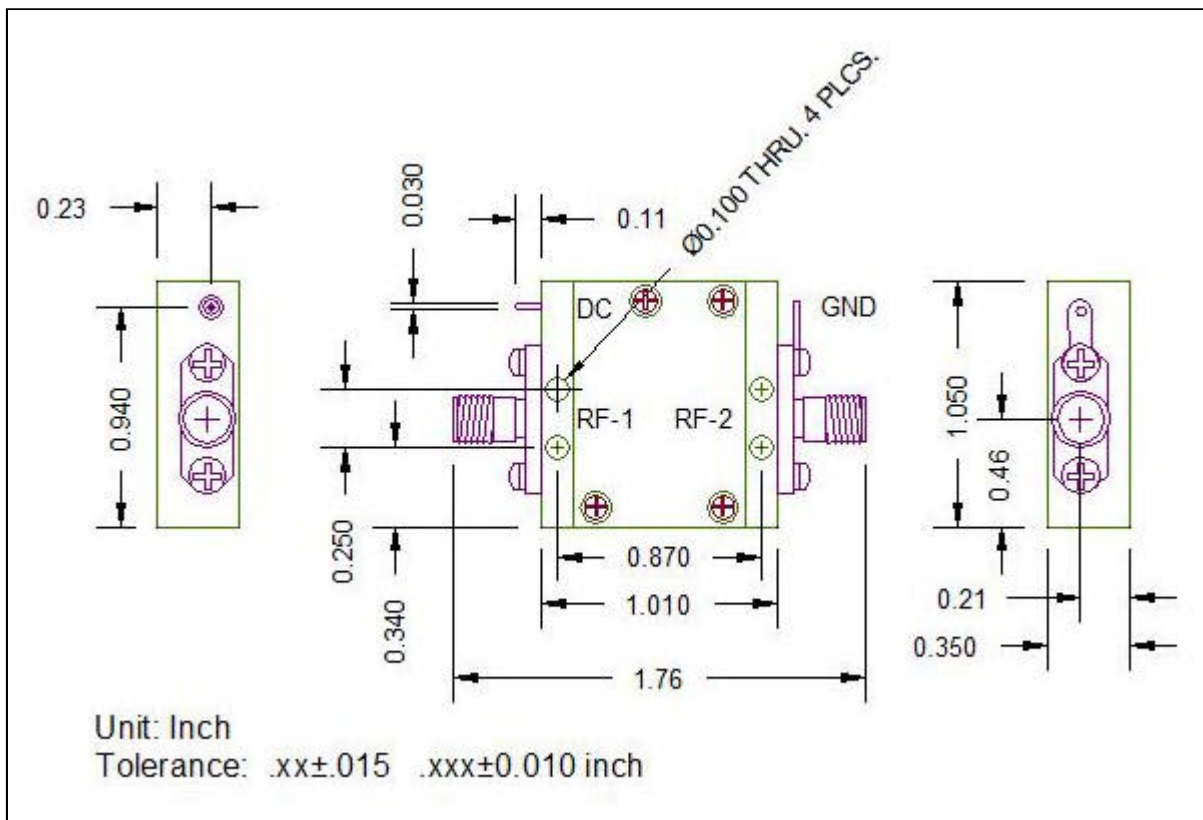
Nextec Microwave & RF, Inc. [WWW.NEXTEC-RF.COM](http://WWW.NEXTEC-RF.COM)  
 3010 Scott Blvd., Santa Clara, California 95054  
 (408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com

# NBL00528

## 4-8 GHz Broadband Low Noise Amplifier



### Outline Drawing



Updated: 9/6/2012



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

# NBL00528

## 4-8 GHz Broadband Low Noise Amplifier

GND      GROUND LUG      1 GND      O      GROUND

---

Updated: 9/6/2012



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)