

NB00577

1-26 GHz Broadband Amplifier

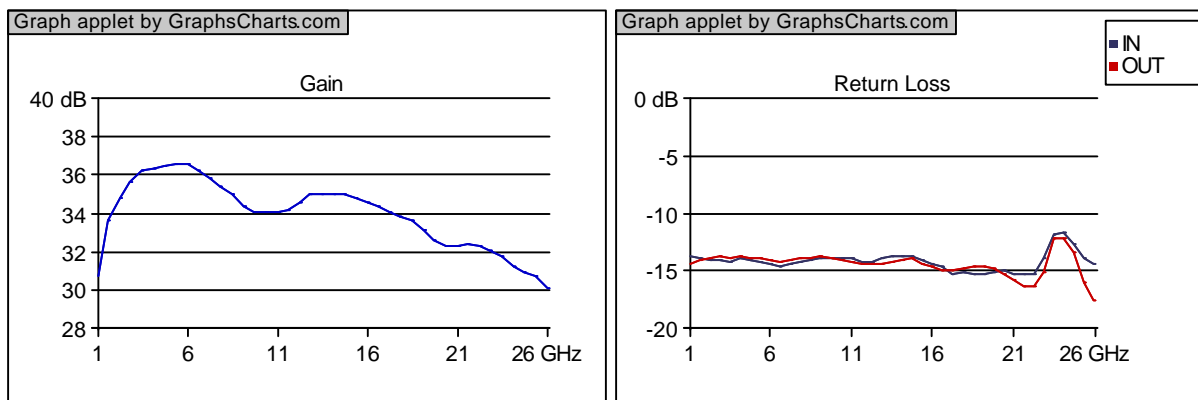
Features:

- Ultra broadband.
- Thin film hybrid MIC process
- Field replaceable SMA connectors
- Reverse bias protection

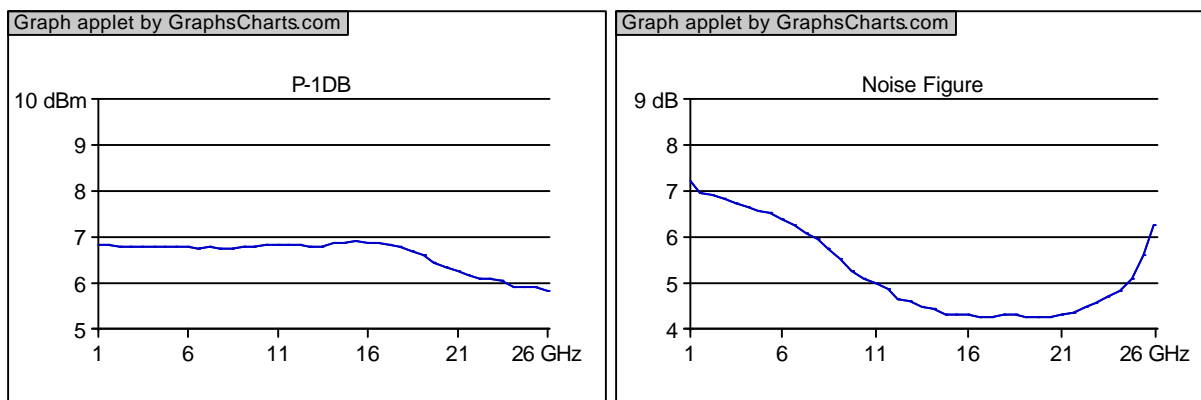
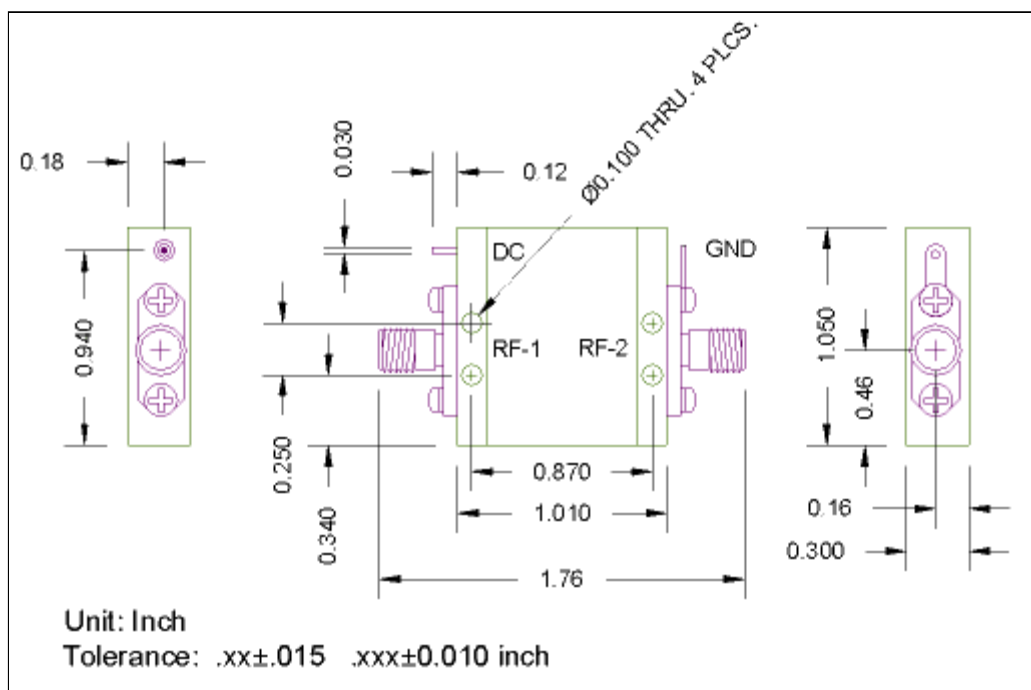
Electrical Performance

| Parameter | Min. | Typ. | Max. | Unit | Note |
|------------------------------------|------|------|------|---------|------|
| Frequency | 1 | | 26 | GHz | |
| Gain | 26 | | | dB | |
| Gain Flatness | | | 4.5 | dB(+/-) | |
| Power @ 1dB Gain Compression Point | 5 | | | dBm | |
| Noise Figure | | | 8.5 | dB | |
| VSWR Input | | | 2 | | |
| VSWR Output | | | 2 | | |
| DC Supply Voltage | 9 | | 15 | V | |
| Supplied Current | | | 450 | mA | |

Typical Test Data



Updated: 10/10/2009

NB00577**1-26 GHz Broadband 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 (+9 V TO +15 V) |
| GND | GROUND LUG | 1 | GND | O | GROUND |

Updated: 10/10/2009



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