

NB00561

950-2000 MHz 1 W Broadband Amplifier

Features:

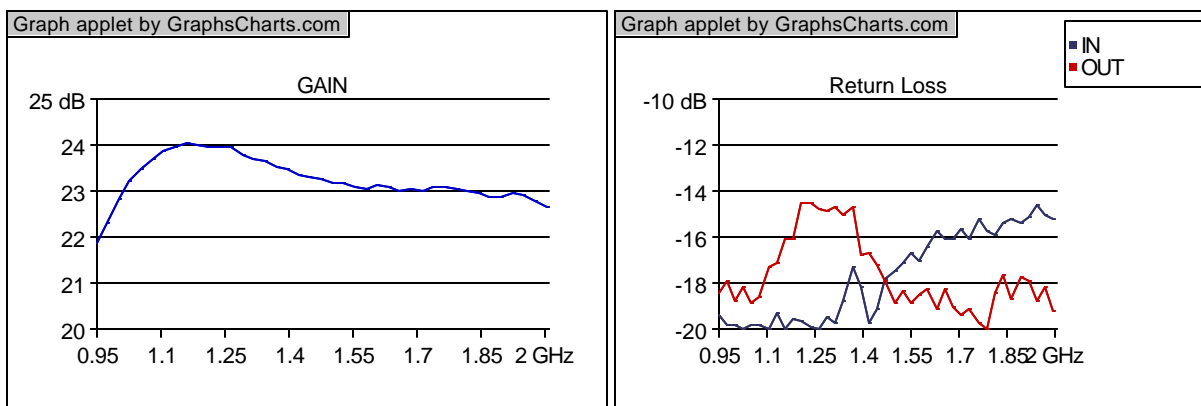
- Thin Film Hybrid MIC Process
- Field Replaceable SMR Connectors
- Reverse Bias Protection
- Over Temperature Protection (Automatic Shut -Off at 90 degC and Returning Normal Operation at 77 degC)

Electrical Performance

| Parameter | Min. | Typ. | Max. | Unit | Note |
|--|------|------|------|---------|------|
| Frequency | 950 | | 2000 | MHz | |
| Gain | 20 | | | dB | 1 |
| Gain Flatness | | | 1.5 | dB(+/-) | 1 |
| Power @ 1dB Gain Compression Point | 30 | | | dBm | |
| Noise Figure | | | 15 | dB | 2 |
| VSWR Input | | | 1.5 | | |
| VSWR Output | | | 1.5 | | |
| DC Supply Voltage | 12 | 15 | 18 | V | |
| Supplied Current | | | 1 | A | |
| Maximum Input Power Level without Damage | 10 | | | dBm | |

1: AT ROOM TEMPERATURE. GAIN VARIATION OVER TEMPERATURE IS +/- 1.5 DB TYP.
 2: AT ROOM TEMPERATURE

Typical Test Data



Updated: 10/22/2007

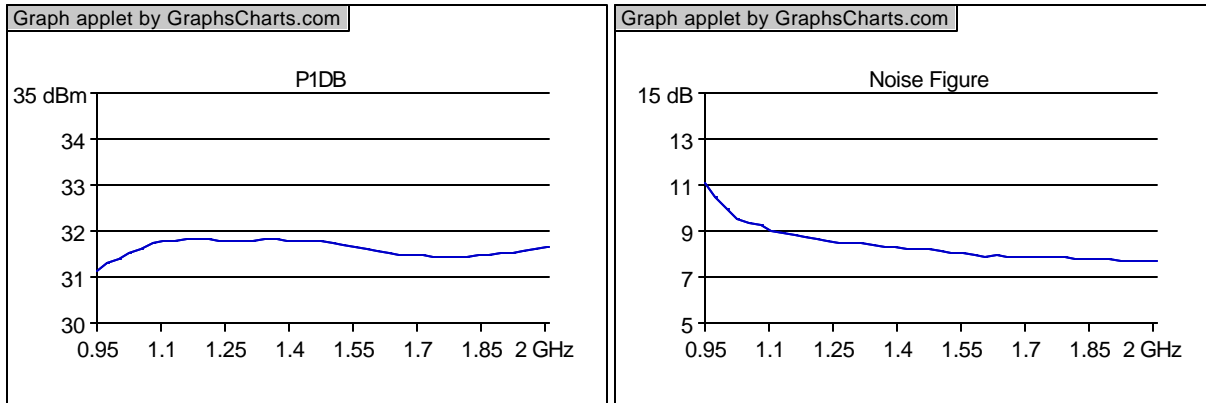


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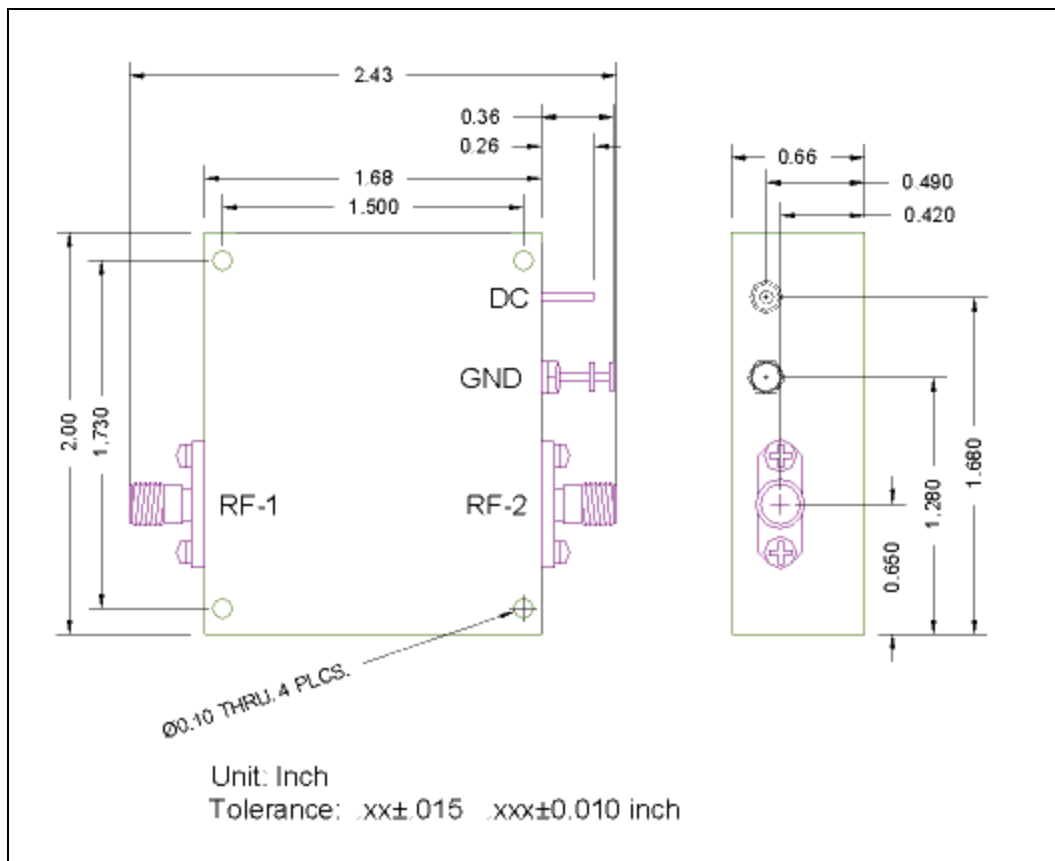
(408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com

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Outline Drawing



| Connector | Type | Pin # | Pin Name | In/Out | Description |
|-----------|------|-------|----------|--------|-------------|
|-----------|------|-------|----------|--------|-------------|

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| | | | | |
|------|------------|---------|---|---------------------------|
| RF-1 | SMA-F | 1 IN | I | RF INPUT SIGNAL |
| RF-2 | SMA-F | 1 OUT | O | RF OUTPUT SIGNAL |
| GND | GROUND LUG | 1 GND | O | GROUND |
| DC | EMI Filter | 1 +12 V | I | DC INPUT (+12 V TO +18 V) |

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