

NBL00426

2-8 GHZ 1 W BROADBAND LOW NOISE AMPLIFIER

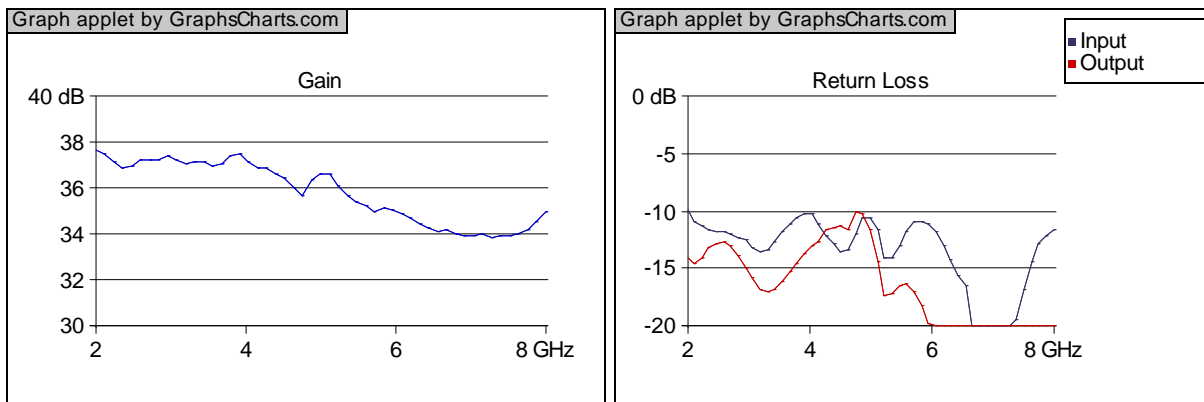
Features:

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

Electrical Performance

| Parameter | Min. | Typ. | Max. | Unit | Note |
|------------------------------------|------|------|------|---------|------|
| Frequency | 2 | | 8 | GHz | |
| Gain | 30 | 35 | | dB | |
| Gain Flatness | | | 2 | dB(+/-) | |
| Power @ 1dB Gain Compression Point | 29.5 | 30 | | dBm | |
| Output 3rd Order Intercept Point | 37 | 39 | | dBm | |
| Noise Figure | | 2.8 | 3.5 | dB | |
| VSWR Input | | | 2.0 | | |
| VSWR Output | | | 2.0 | | |
| DC Supply Voltage | 12 | | 18 | V | |
| Supplied Current | | 1.0 | 1.2 | A | |

Typical Test Data



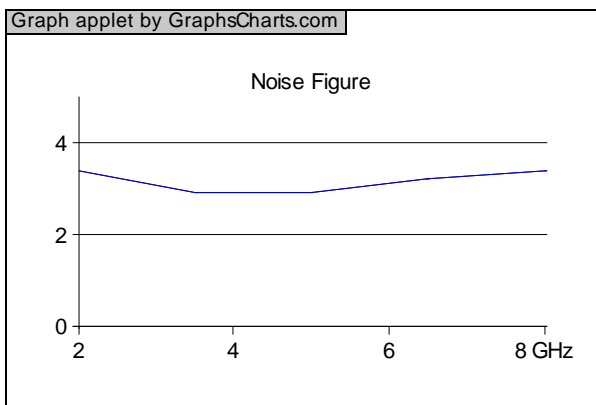
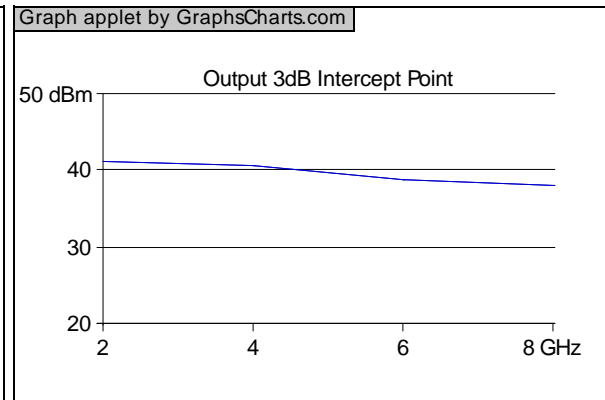
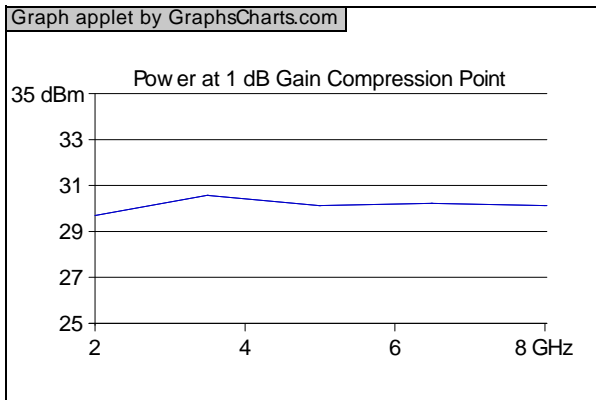
Updated: 3/21/2013



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Outline Drawing

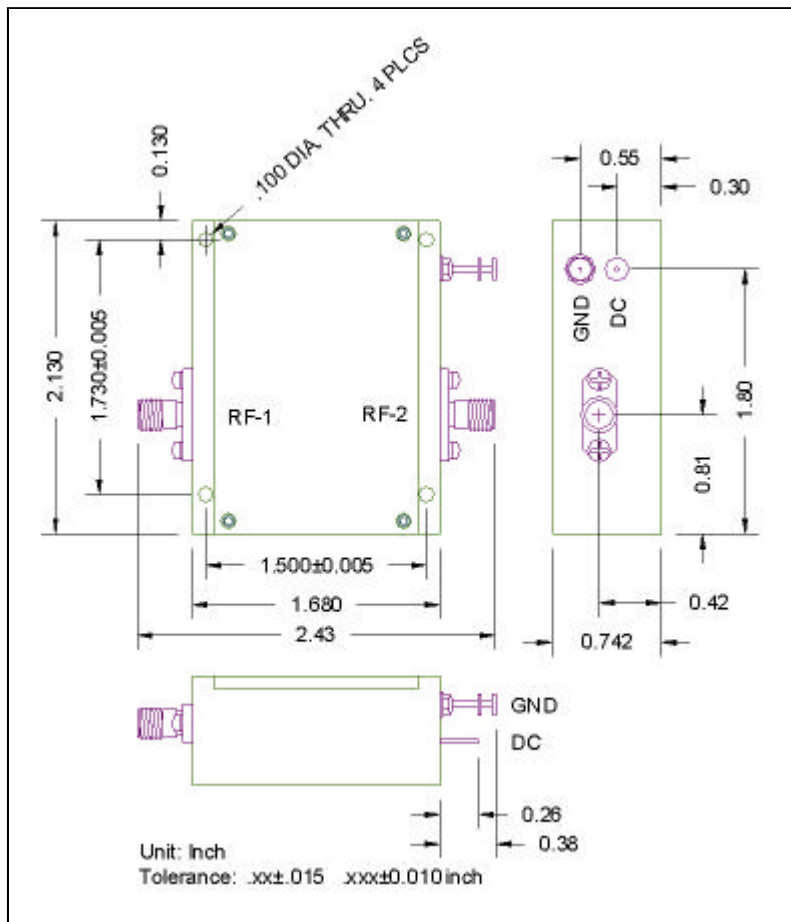
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| Connector | Type | Pin # | Pin Name | In/Out | Description |
|-----------|------------|-------|----------|--------|-----------------------|
| RF-1 | SMA-F | 1 | IN | I | RF INPUT SIGNAL |
| RF-2 | SMA-F | 1 | OUT | O | RF OUTPUT SIGNAL |
| DC | EMI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

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