

NBL00600

1-6 GHZ BROAD BAND LOW NOISE AMPLIFIER

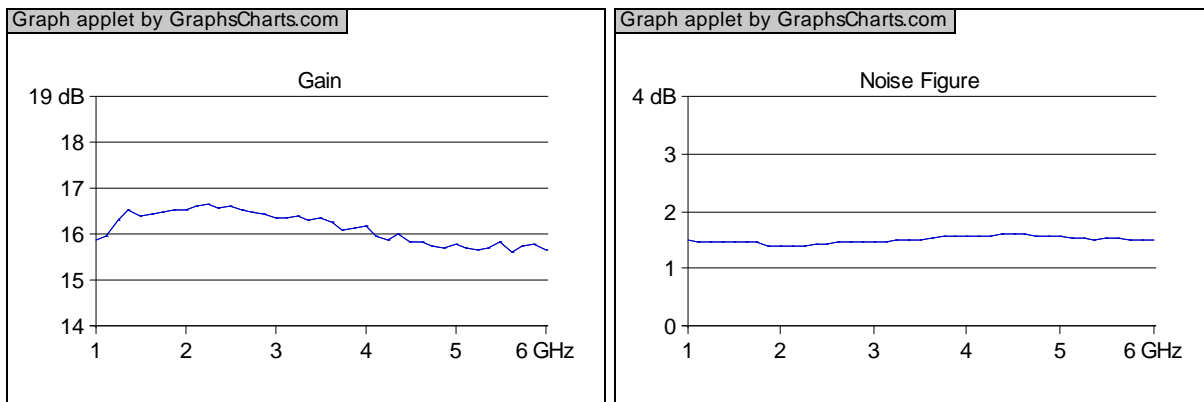
Features:

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

Electrical Performance

| Parameter | Min. | Typ. | Max. | Unit | Note |
|------------------------------------|------|------|------|---------|------|
| Frequency | 1 | | 6 | GHz | |
| Gain | 15 | | | dB | |
| Gain Flatness | | 0.6 | 1.9 | dB(+/-) | |
| Noise Figure | | | 1.6 | dB | |
| Power @ 1dB Gain Compression Point | 15 | 16 | | dBm | |
| VSWR Input | | | 2.0 | | |
| VSWR Output | | | 2.0 | | |
| DC Supply Voltage | | 12 | | V | |
| Supplied Current | | | 60 | mA | |

Typical Test Data



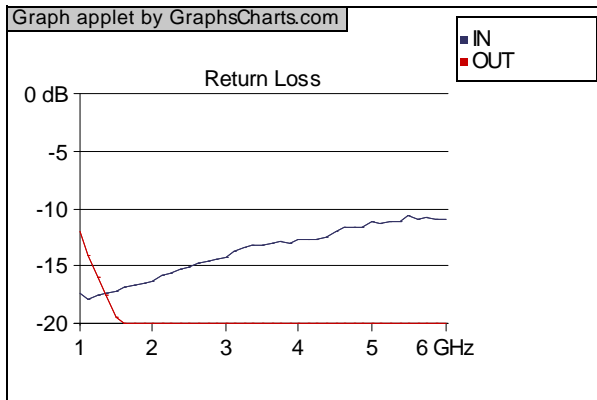
Updated: 5/12/2014



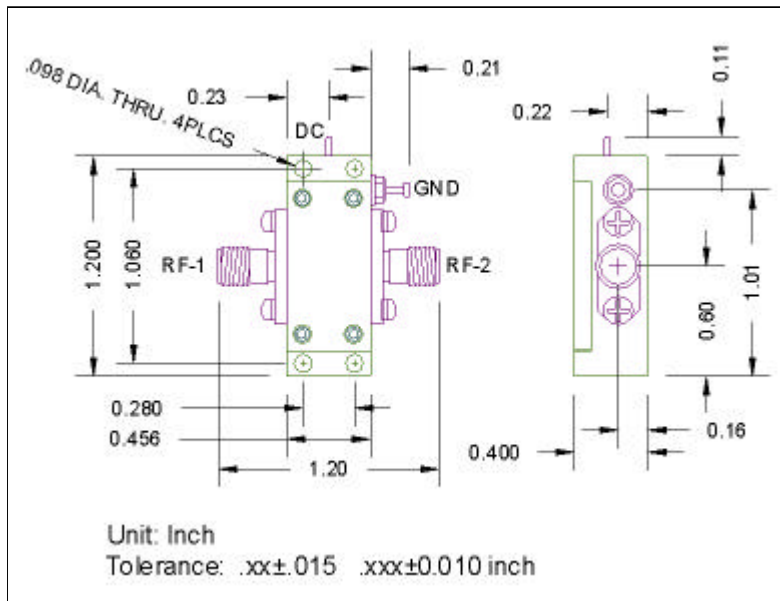
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Outline Drawing



| 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 | +12V | I | DC INPUT |
| GND | GROUND LUG | 1 | GND | O | GROUND |

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