

NLC00545

3.4-4.2 GHZ 25 DB GAIN LOW NOISE AMPLIFIER

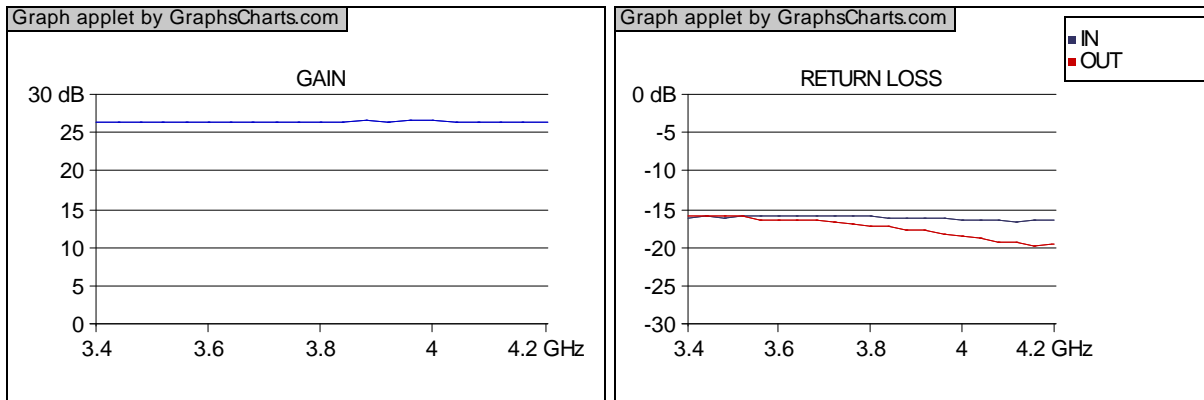
Features:

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

Electrical Performance

| Parameter | Min. | Typ. | Max. | Unit | Note |
|------------------------------------|------|------|------|---------|------|
| Frequency | 3.4 | | 4.2 | GHz | |
| Gain | 25 | | | dB | |
| Gain Flatness | | | 0.5 | dB(+/-) | |
| Power @ 1dB Gain Compression Point | 15 | | | dBm | |
| Noise Figure | | | 1.7 | dB | |
| VSWR Input | | | 1.5 | | |
| VSWR Output | | | 1.5 | | |
| DC Supply Voltage | 9 | | 15 | V | |
| Supplied Current | | | 120 | mA | |

Typical Test Data



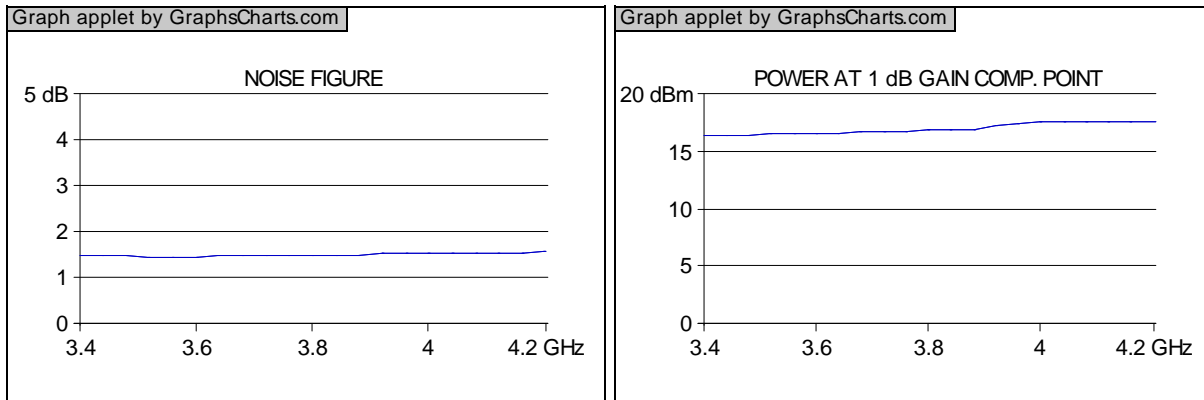
Updated: 9/6/2012



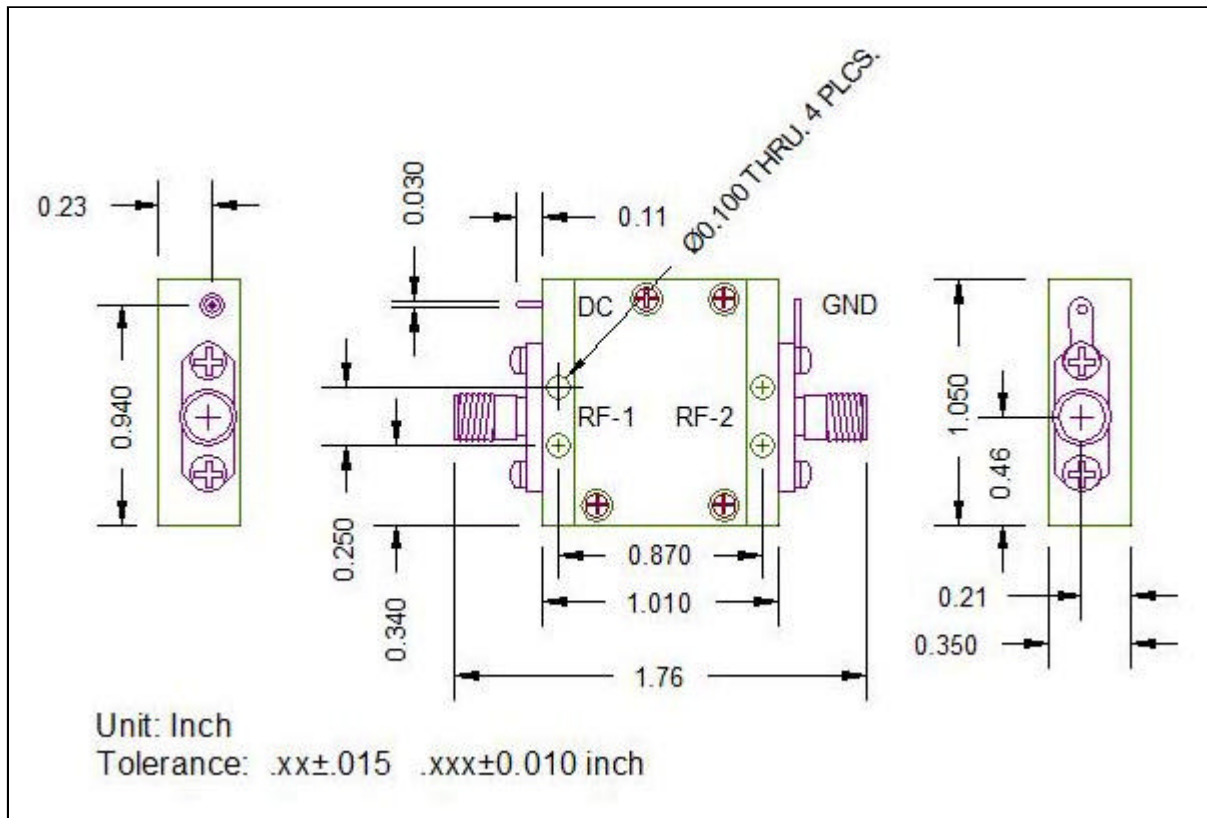
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Outline Drawing



| 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 | +12 V | I | DC INPUT (+9 TO +15 V) |

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GND GROUND LUG 1 GND O GROUND

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