

# NB00453

## 2-13 GHz BROAD BAND AMPLIFIER

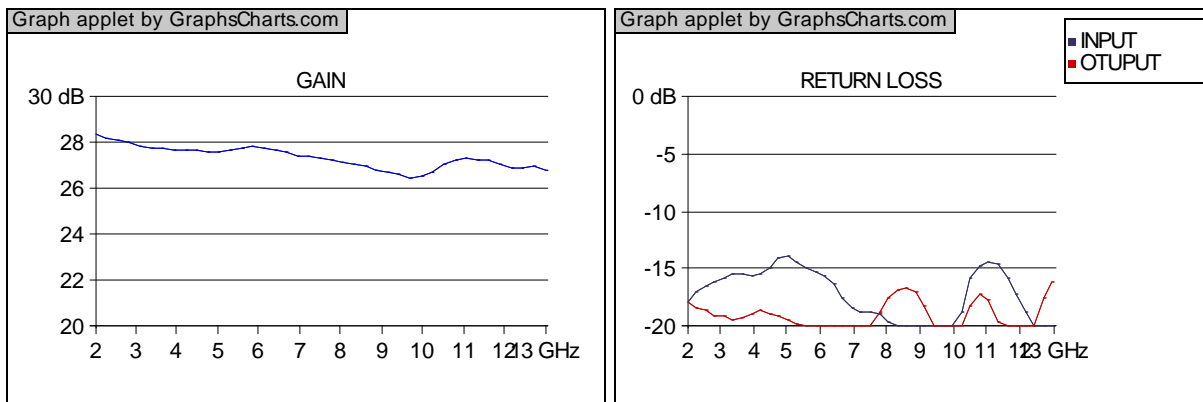
**Features:**

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

**Electrical Performance**

| Parameter                          | Min. | Typ. | Max. | Unit    | Note |
|------------------------------------|------|------|------|---------|------|
| Frequency                          | 2    |      | 13   | GHz     |      |
| Gain                               | 26   |      |      | dB      |      |
| Gain Flatness                      |      |      | 3    | dB(+/-) |      |
| Power @ 1dB Gain Compression Point | 11   |      |      | dBm     |      |
| Noise Figure                       |      |      | 7    | dB      |      |
| VSWR Input                         |      |      | 2.5  |         |      |
| VSWR Output                        |      |      | 2.2  |         |      |
| DC Supply Voltage                  | 12   |      | 18   | V       |      |
| Supplied Current                   |      |      | 130  | mA      |      |

**Typical Test Data**



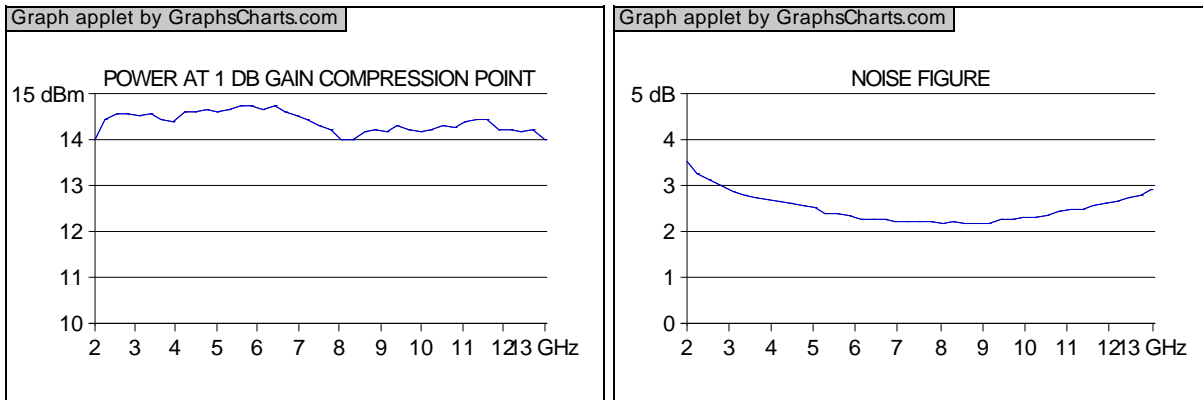
Updated: 9/6/2012



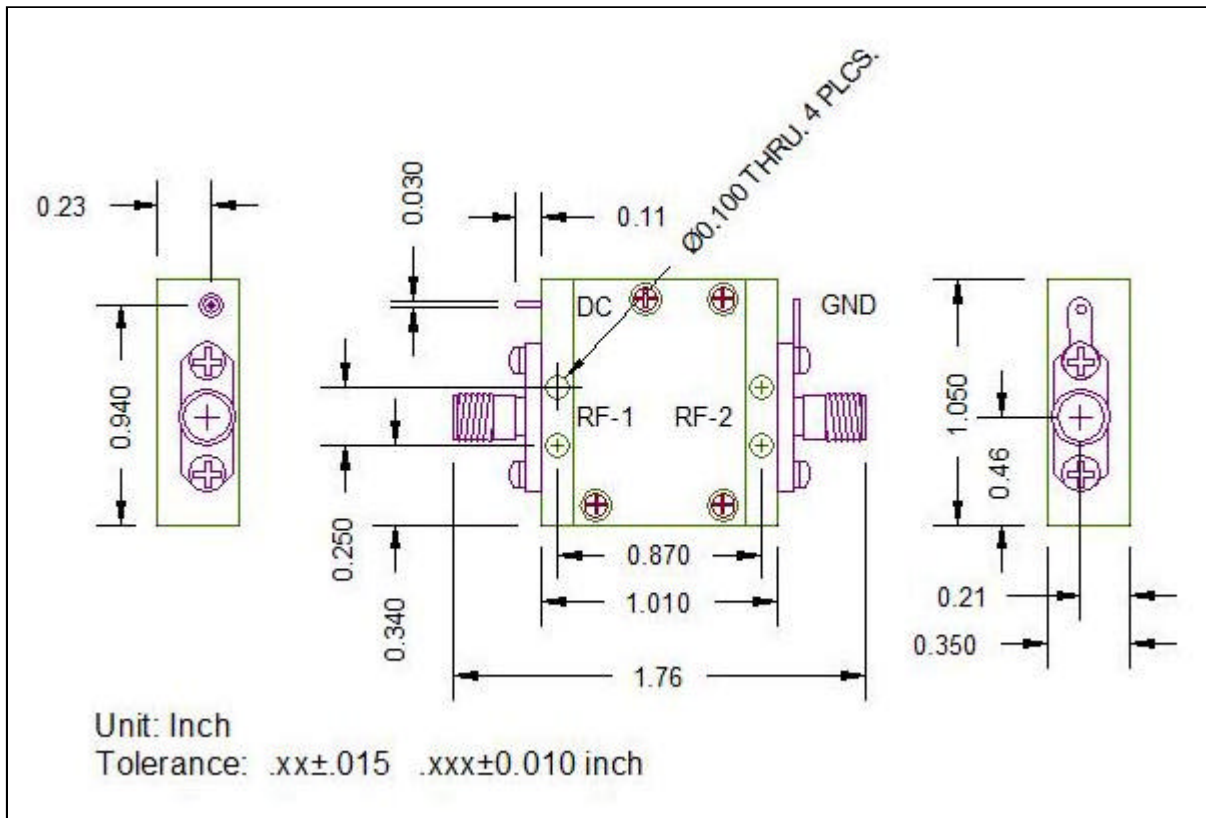
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### Outline Drawing



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

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