

6.0 – 12.0 GHz 15dBm Amplifier

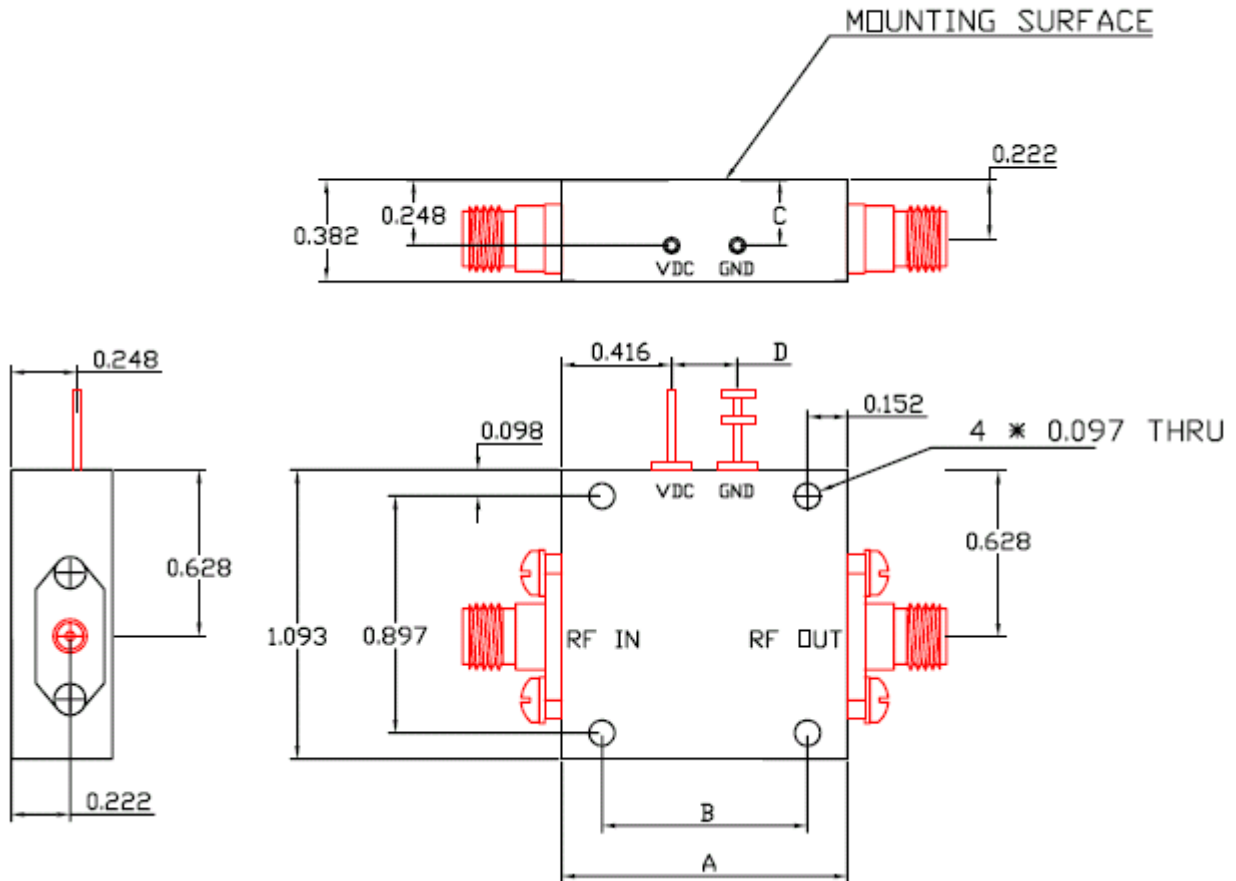
FEATURES

- P₁ dB: 15dBm(min.)
- Noise Figure: 2.3dB
- Bias Condition: 120mA @ 12 V
- Small Signal Gain: 22dB(min.)

ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

| Symbol | Description | Min. | Typ. | Max. | Unit |
|-------------------------|---|------|-------|-------|------|
| FREQ | Frequency Range | 6 | | 12 | GHz |
| SSG | Small Signal Gain | 22 | 24 | | dB |
| GOF | Small Signal Gain Flatness | | ± 0.6 | | dB |
| P₁ dB | Output Power at 1 dB Gain Compression | 15 | | | dBm |
| IP3 | The 3rd intercept Point | 25 | | | |
| NF | Noise Figure | | 2.3 | | dB |
| VSWR, IN | Input VSWR | | | 2 : 1 | - |
| VSWR, OUT | Output VSWR | | | 2 : 1 | - |
| Vdc | DC Supply Voltage(internal regulator included) | 11 | 12 | 15 | Volt |
| Idc | Current Supply | | 120 | | mA |
| OTR | Operating Temperature Range | -30 | | 70 | °C |

CASE: HG3, as shown attached, unit is in inch.



| DIM CASE | A | B | C | D |
|-------------|-------|-------|-------|------|
| HG2 | 0.841 | 0.537 | 0.080 | 0.13 |
| HG3 | 1.083 | 0.779 | 0.248 | 0.25 |
| HG4 | 1.333 | 1.029 | 0.248 | 0.25 |
| HG5 | 1.583 | 1.279 | 0.248 | 0.25 |
| HG6 | 1.833 | 1.529 | 0.248 | 0.25 |