

10 – 16GHz 20 dBm Amplifier

FEATURES

- P₁dB: 20 dBm
- Noise Figure: 5 dB
- Small Signal Gain: 32 dB (min.)
- Bias Condition: 500 mA @ 12 V

ELECTRICAL SPECIFICATIONS at 25 ° C

| Symbol | Description | Min. | Typ. | Max. | Unit |
|-------------------------|--|------|-------|------|-------|
| FREQ | Frequency Range | 10 | | 16 | GHz |
| SSG | Small Signal Gain | 32 | | | dB |
| GOF | Small Signal Gain Flatness | | | 1.0 | dB |
| GOT | Gain Over Temperature | | | ±2.0 | dB |
| P₁ dB | Output Power at 1dB Gain Compression | 20 | | | dBm |
| NF | Noise Figure | | | 5 | dB |
| VSWR, In | Input VSWR | | 1.5:1 | | ----- |
| VSWR, Out | Output VSWR | | 1.5:1 | | ----- |
| VDC | DC Supply Voltage (with built-in regulator) | | +12 | | Volt |
| IDC | Current Supply | | | 500 | mA |
| OTR | Operating Temperature Range | -30 | | 70 | ° C |

CASE: HH5
Connector: SMA Female