

**1.0 - 2.0 GHz 15 dBm Amplifier**
**FEATURES**

- P<sub>1dB</sub>: 15 dBm
- Noise Figure: 4.0 dB
- Small Signal Gain: 16 dB
- Bias Condition: 100 mA @ 12 V

**ELECTRICAL SPECIFICATIONS**

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	<b>Frequency Range</b>	1.0		2.0	<b>GHz</b>
<b>SSG</b>	<b>Small Signal Gain @ 25°C</b>	15	16		<b>dB</b>
<b>GOF</b>	<b>Small Signal Gain Flatness @ 25°C</b>		±0.5	±1.0	<b>dB</b>
<b>P<sub>1dB</sub></b>	<b>Output Power at 1 dB Gain Compression @ 25°C</b>	15	17		<b>dBm</b>
<b>NF</b>	<b>Noise Figure @ 25°C</b>		3.8	4.0	<b>dB</b>
<b>VSWR, IN</b>	<b>Input VSWR @ 25°C</b>			2:1	-----
<b>VSWR, OUT</b>	<b>Output VSWR @ 25°C</b>			2:1	-----
<b>VDC</b>	<b>DC Supply Voltage</b>		12		<b>Volt</b>
<b>IDC</b>	<b>Current Supply (Small Signal Gain) @ 25°C</b>		100	120	<b>mA</b>
<b>OTR</b>	<b>Operating Temperature Range</b>	-30		70	<b>°C</b>

CASE: HG2