

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

CASE: HG2