

8 - 18 GHz 15 dBm Amplifier

FEATURES

- P_{1dB}: 15 dBm
- Noise Figure: 4.5dB
- Small Signal Gain: 15 dB
- Bias Condition: 180 mA @ 12 V

ELECTRICAL SPECIFICATIONS

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	8		18	GHz
SSG	Small Signal Gain @ 25°C	15	17		dB
GOF	Small Signal Gain Flatness @ 25°C		±1.0	±1.25	dB
P _{1dB}	Output Power at 1 dB Gain Compression @ 25°C	15	17		dBm
IP3	Third Order Intercept Point @ 25°C	25	27		dBm
NF	Noise Figure @ 25°C		4.0	4.5	dB
2 nd	Second Harmonic @ 25°C, P _{1dB}	30			dBc
VSWR, IN	Input VSWR @ 25°C			2:1	-----
VSWR, OUT	Output VSWR @ 25°C			2:1	-----
VDC	DC Supply Voltage		12		Volt
IDC	Current Supply (Small Signal Gain) @ 25°C		180	210	mA
OTR	Operating Temperature Range	-30		70	°C

CASE: HG4