

### 8 – 12GHz 30 dBm Amplifier

#### FEATURES

- P<sub>1</sub> dB: 30 dBm (min.)
- Bias Condition: 1.2 A @ 12 V
- Small Signal Gain: 41 dB

#### ELECTRICAL SPECIFICATIONS at 25 ° C

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	8		12	GHz
<b>SSG</b>	Small Signal Gain	41			dB
<b>GOF</b>	Small Signal Gain Flatness		+/-1.0	+/-1.5	dB
<b>NF</b>	Noise Figure		3.5	4.0	dB
<b>P<sub>1</sub> dB</b>	1 dB Compression Output Power	30			dBm
<b>VSWR, IN</b>	Input VSWR			2:1	-
<b>VSWR, OUT</b>	Output VSWR			2:1	-
<b>VDC</b>	DC Supply Voltage (with built-in regulator)		12		Volt
<b>IDC</b>	Current Supply		1.2	1.3	A
<b>OTR</b>	Operating Temperature Range	-30		70	°C

**CASE: HA1**

**Connectors: SMA (F)**