

## 2 - 6 GHz 33 dBm Amplifier

### FEATURES

- P<sub>1</sub>dB: 34 dBm
- Noise Figure: 6 dB
- Small Signal Gain: 36 dB
- Bias Condition: 2400 mA @ 15 V

### ELECTRICAL SPECIFICATIONS at 25 ° C

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	2		6	GHz
<b>SSG</b>	Small Signal Gain	34	36		dB
<b>GOF</b>	Small Signal Gain Flatness		± 1.5	± 2.0	dB
<b>P<sub>1</sub> dB</b>	Output Power at 1 dB Gain Compression	33	34		dBm
<b>NF</b>	Noise Figure		6	7	dB
<b>VSWR, IN</b>	Input VSWR		1.8:1	2:1	-
<b>VSWR, OUT</b>	Output VSWR		1.8:1	2:1	-
<b>VDC</b>	DC Supply Voltage ( <b>with built-in regulator</b> )	12		15	Volt
<b>IDC</b>	Current Supply		2200	2400	mA
<b>OTR</b>	Operating Temperature Range	-30		70	°C

**CASE: HA2**