

### 8.1 – 8.3 GHz 37dBm Power Amplifier

#### FEATURES

- P<sub>1dB</sub>: 37 dBm
- Noise Figure: 5 dB
- Small Signal Gain: 30 dB
- Bias Condition: 3.7A @ 12 V

#### ELECTRICAL SPECIFICATIONS

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	8.1		8.3	GHz
SSG	Small Signal Gain @ 25°C	30	32		dB
GOF	Small Signal Gain Flatness @ 25°C		±0.75	±1.25	dB
P <sub>1dB</sub>	Output Power at 1 dB Gain Compression @ 25°C	36.5	37		dBm
NF	Noise Figure @ 25°C		5	6	dB
VSWR, IN	Input VSWR @ 25°C		1.8:1	2:1	-----
VSWR, OUT	Output VSWR @ 25°C		1.8:1	2:1	-----
VDC	DC Supply Voltage (with built-in regulator)	12		15	Volt
IDC	Current Supply (Small Signal Gain) @ 25°C		3.7	4	A
OTR	Operating Temperature Range	-30		60	°C

CASE: HA2