

## 6 ~ 12GHz 35dB Gain 30dBm Power Amplifier

### FEATURES

- $P_{1dB}$ : 30dBm, min.
- Small Signal Gain: 35dB, min.
- Bias Condition: 1300mA @ 12 V

### ELECTRICAL SPECIFICATIONS (Specified at 25C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		12	GHz
SSG	Small Signal Gain	35	39		dB
GOF	Small Signal Gain Flatness		±1.0		dB
NF	Noise Figure		4.5		dB
$P_{1dB}$	Output Power at 1 dB Gain Compression	30			dBm
IP3	The Third Intercept Point		40		dBm
VSWR, IN	Input VSWR			2 : 1	-----
VSWR, OUT	Output VSWR			2 : 1	-----
Vdc	DC Supply Voltage(with built-in regulator)	11	12	15	Volt
Idc	Current Supply		1300		mA
OTR	Operating Temperature Range	-30		70	°C

Housing: HA1, with SMA female removable connectors, unit is inch

