

## 6.0 – 12.0 GHz 30dBm Amplifiers

### FEATURES

- P<sub>1</sub> dB: 30dBm(min.)
- Noise Figure: 4.5dB
- Bias Condition: 1.4A @ 12 V
- Small Signal Gain: 45dB(min.)

### ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	<b>Frequency Range</b>	6		12	GHz
<b>SSG</b>	<b>Small Signal Gain</b>	45	50		dB
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		± 1.2	± 1.5	dB
<b>P<sub>1</sub> dB</b>	<b>Output Power at 1 dB Gain Compression</b>	30			dBm
<b>IP3</b>	<b>The 3<sup>rd</sup> intercept Point</b>		40		
<b>NF</b>	<b>Noise Figure</b>		4.5		dB
<b>VSWR, IN</b>	<b>Input VSWR</b>			2.0:1	-
<b>VSWR, OUT</b>	<b>Output VSWR</b>			2.0:1	-
<b>Vdc</b>	<b>DC Supply Voltage(internal regulator included)</b>	11	12	15	Volt
<b>Idc</b>	<b>Current Supply</b>		1.4	1.6	A
<b>OTR</b>	<b>Operating Temperature Range</b>	-30		70	°C

**CASE: HA1, as shown attached, unit is in inch.**

