

## 2.0 – 4.0 GHz 36dBm Amplifiers

### FEATURES

- P<sub>1</sub>dB: 35dBm
- Noise Figure: 5.5dB
- Bias Condition: 1600mA @ 12 V
- Small Signal Gain: 39dB

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

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	<b>Frequency Range</b>	2		4	GHz
<b>SSG</b>	<b>Small Signal Gain</b>	37	39		dB
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		± 0.5	± 1	dB
<b>P<sub>1</sub> dB</b>	<b>Output Power at 1 dB Gain Compression</b>	35			dBm
<b>P<sub>out</sub></b>	<b>Output Power at Pin = 0 dBm</b>	36			dBm
<b>NF</b>	<b>Noise Figure</b>		5.0	5.5	dB
<b>VSWR, IN</b>	<b>Input VSWR</b>			2.0:1	-
<b>VSWR, OUT</b>	<b>Output VSWR</b>			2.0:1	-
<b>V<sub>dc</sub></b>	<b>DC Supply Voltage(internal regulator included)</b>		12		Volt
<b>I<sub>dc</sub></b>	<b>Current Supply</b>		1600	1800	mA
<b>OTR</b>	<b>Operating Temperature Range</b>	-30		70	°C

**CASE: As shown attached, unit is in inch.**

