

## 2.8 – 4.8 GHz 17 dBm Amplifier

### FEATURES

- P<sub>1dB</sub>: 17 dBm
- NF : 5 dB
- Bias Condition: 200 mA @ 15 V

### ELECTRICAL SPECIFICATIONS (Ta = 25 ° C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	<b>Frequency Range</b>	2.8		4.8	<b>GHz</b>
<b>SSG</b>	<b>Small Signal Gain</b>	36			<b>dB</b>
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		±0.5	±0.75	<b>dB</b>
<b>NF</b>	<b>Noise Figure</b>			5	<b>dB</b>
<b>P<sub>1dB</sub></b>	<b>Output Power at 1 dB Gain Compression</b>	16	17		<b>dBm</b>
<b>VSWR, IN</b>	<b>Input VSWR</b>		1.8:1	2:1	-----
<b>VSWR, OUT</b>	<b>Output VSWR</b>		1.8:1	2:1	-----
<b>VDC</b>	<b>DC Supply Voltage (with built-in regulator)</b>		15		<b>Volt</b>
<b>IDC</b>	<b>Current Supply</b>		0.20	0.30	<b>A</b>
<b>OTR</b>	<b>Operating Temperature Range</b>	-10		60	<b>° C</b>

Note :

1. SSG 36dB(min.) will be designed for 2.8-4.8 GHz.
2. SSG 32dB(min) will be required for 2.8 GHz

**CASE : HO4**