

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

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