

## 0.5 - 2.5 GHz 24 dBm Amplifier

### FEATURES

- P<sub>1</sub> dB: 24 dBm
- NF: 6.0 dB
- Bias Condition: 160 mA @ 8 V
- Small Signal Gain: 10 dB

### ELECTRICAL SPECIFICATIONS at 25 °C

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	0.5		2.5	GHz
SSG	Small Signal Gain	10			dB
GOF	Small Signal Gain Flatness			±0.5	dB
P <sub>1</sub> dB	Output Power at 1 dB Gain Compression	24	25		dBm
NF	Noise Figure		5.5	6.0	dB
VSWR, IN	Input VSWR			2:1	-
VSWR, OUT	Output VSWR			2:1	-
VDC	DC Supply Voltage		8		Volt
IDC	Current Supply		150	160	mA
OTR	Operating Temperature Range	-30		70	°C

CASE: HZ7