

0.5 - 2.5 GHz 19 dBm Amplifier

FEATURES

- $P_{1\text{ dB}}$: 19 dBm
- NF: 4.0 dB
- Bias Condition: 80 mA @ 8 V
- Small Signal Gain: 14 dB

ELECTRICAL SPECIFICATIONS at 25 °C

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	0.5		2.5	GHz
SSG	Small Signal Gain	14			dB
GOF	Small Signal Gain Flatness			± 0.5	dB
$P_{1\text{ dB}}$	Output Power at 1 dB Gain Compression	19			dBm
NF	Noise Figure		3.5	4.0	dB
VSWR, IN	Input VSWR			2:1	-
VSWR, OUT	Output VSWR			2:1	-
VDC	DC Supply Voltage		8		Volt
IDC	Current Supply		75	80	mA
OTR	Operating Temperature Range	-30		70	°C

CASE: HZ7