

Features: (typical values)

- Output Power – 31.0 dBm. @ 1dB. Compression
- Low Noise Figure – 3.6 dB.
- IP3 – 46 dBm. @ $f = 200$ MHZ
- IP2 – 80 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

28 Suffix Indicates 28 Volts

LF Suffix Indicates Lead Free Rohs

Maximum Ratings

Storage temperature -55°C to +125°C

DC Operating Voltage +30.0 volts

RF Input Voltage +5 dBm. Max.

Operating Base Temp. -40 to +90°C

Specifications @ Tcase = 25°C, Vcc = 28V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	200	MHz.
Power Gain	35.5	34.0	37.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.5		2.0:1	-
Output VSWR	1.5		2.0:1	-
Noise Figure (f = 200mhz)	4.5		6.5	dB.
Power Output- 1dB Compression (f = 1-200 MHz)	31.0	30.0		dBm.
Power Output- 1 dB Compression (f=150 MHz)	31.3			dBm.
Third Order Intercept (IP3)	48	45		dBm.
Second Order Intercept (IP2)	80	60		dBm.
Peak Envelope Power (PEP)	900	600		mW.
Supply Current	395		410	mA.

Pin Configuration

PIN#	Description
1	Input
2,3,7,8	Ground
5	+V.
9	Output
4, 6	Not used

