

ASC2806C

Features: (typical values)

- High IP3 +42.0 dBm.
- High Gain 40dB
- High Output Power +31.0 dBm.

**20-1000 MHz
Ultra Linear 1 Watts Amplifier**



Maximum Ratings

- Operating Temperature -20°C to +60°C
- Storage Temperature -20°C to +125°C
- DC Voltage +15volts
- RF Input Power -5 dBm.
- Case Temperature +95°C

Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	1000	MHz.
Gain	40.0	38.0		dB.
Gain Flatness	±0.5		±1.0	dB.
Pout @ 1dB Comp	31.0	30.0		dBm.
Noise Figure	2.5		3.0	dB.
VSWR (Input/Output)	1.8:1		2.0:1	dBm.
Impedance, Input/Output	50 Ohm			
Supply Required	+15/540		+15/600	v/mA.

OUTLINE

