

ASC2807C

**20-500 MHz
Cascade Amplifier**



Features: (typical values)

- Low Noise Figure2.0 dB
- Power Out31dBm.
- Gain26dB.

Maximum Ratings

- Operating Temperature -20°C to +60°C
- Storage Temperature -20°C to +125°C
- DC Voltage +15 volts
- RF Input Power +10 dBm.
- Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	500	MHz.
Gain	26	24		dB.
Gain Flatness	±0.5		±1.0	dB.
Pout @ 1dB Comp	+31	+30		dBm.
Noise Figure	20-100MHz 100-500MHz	3.0 2.0	2.8 2.3	dB.
VSWR In/Out	1.8:1		2.0:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+15/450		+15/500	v/mA.

OUTLINE

