

# ASC2801C

**1 - 100 MHz  
Cascade Amplifier**



**Features: (typical values)**

- Bandwidth .....1-100 MHz
- Power Out .....31 dBm.
- Gain .....32 dB.
- Noise Figure.....4.0 dB.

**Maximum Ratings**

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +24 volts  
 RF Input Power ..... +10 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1	100	MHz.
Gain	32	30		dB.
Gain Flatness	±0.5		±0.75	dB.
Pout @ 1dB Comp	+31	+30		dBm.
IP3 ( two tone ) @ +15dbm per tone	42	40		dBm
Noise Figure	4.0		5.0	dB.
VSWR In/Out	1.7:1		2.0:1	Ratio
Supply Required	+24/400		+24/450	v/mA.

Min. and max. Values are from 0°C to +50°C

