

# ASC2813C

**12-18 GHz  
Low Noise Amplifier**

**Features: (typical values)**

- Low Noise Figure .....1.3 dB
- Power Out .....17dBm.
- Gain .....53dB.



**Maximum Ratings**

Operating Temperature ..... -20°C to +60°C  
 Storage Temperature ..... -20°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... -25 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		12	18	GHz.
Gain	53	46		dB.
Gain Flatness	±2.5		±3.0	dB.
Pout @ 1dB Comp	+17	+15		dBm.
Noise Figure	1.3		1.5	dB.
VSWR In/Out	1.8:1		2.0:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+15/250		+15/260	v/mA.

## OUTLINE

