

ASC2961C

**6 – 12 GHz
Cascade Amplifier**



Features: (typical values)

- Low Noise Figure3.5 dB
- P1dB25dBm.
- Gain40dB.

Maximum Ratings

Operating Temperature -20°C to +70°C
 Storage Temperature -40°C to +125°C
 DC Voltage +12.0volts
 RF Input Power +5 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		6	12	GHz.
Gain	50	48		dB.
Gain Flatness Full Band	±0.75		±1.0	dB.
Pout @ P1dB	+25	+24		dBm.
Noise Figure	3.5		5.0	dB.
OIP3	36			dBm
VSWR In/Out	1.7:1		2.0:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+12/650		+12/700	v/mA.

OUTLINE

