

# ASC2959C

**2000 - 4000 MHz  
Cascade Amplifier**



**Features: (typical values)**

- Bandwidth .....2000-4000 MHz
- Power Out .....26 dBm.
- Gain .....30 dB.
- Noise Figure.....3.0 dB.
- IP<sub>3</sub> .....37 dBm.

**Maximum Ratings**

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +30 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2000	4000	MHz.
Gain	30	28	32	dB.
Gain Flatness	±0.75		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+26	+24		dBm.
Noise Figure	3.0		4.5	dB.
IP3	37	34		dBm.
IP2	52	45		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/550		+15/600	v/mA.

Min. and max. Values are from -20°C to +75°C  
 Limiter is required

