

# ASC2699C

**2000 - 3000 MHz  
Cascade Amplifier**



**Features: (typical values)**

- Bandwidth .....2000-3000 MHz.
- Power Out .....31 dBm.
- Gain .....32 dB.
- Noise Figure.....2.5 dB.
- IP<sub>3</sub> .....41 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	3000	MHz.
Gain	32	31	33	dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+31	+30		dBm.
Noise Figure	2.5		3.5	dB.
IP3	41	40		dBm.
IP2	62	60		dBm.
VSWR In/Out	1.6:1		1.8:1	
Supply Required	+15/600		+15/750	v/mA.

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

