

ASC2697C

500 - 1000 MHz Cascade Amplifier



Features: (typical values)

- Bandwidth 500-1000 MHz.
- Power Out 31.0 dBm.
- Gain 27 dB.
- Noise Figure 2.5 dB.
- IP₃ 43 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		500	1000	MHz.
Gain	27	26	28	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	43	40		dBm.
IP2	63	60		dBm.
VSWR In/Out	1.6:1		1.8:1	
Supply Required	+15/500		+15/600	v/mA.

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

