

ASC2695C

0.4 - 110 MHz Cascade Amplifier



Features: (typical values)

- Bandwidth 0.4-110 MHz.
- Power Out 31.0 dBm.
- Gain 36 dB.
- Noise Figure 4.0 dB.
- IP₃ 43 dBm.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +12 volts
 RF Input Power 0 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		0.4	110	MHz.
Gain	36	30		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+31	+30		dBm.
Noise Figure	4.0		6.0	dB.
IP ₃	43	40		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+12/370		+12/400	v/mA.

Min. and max. Values are from 0°C to +70°C

