

ASC2496C

**1.0-400 MHz
Amplifier**



Features: (typical values)

- Bandwidth 1.0-400 MHz.
- Power Out 30 dBm
- Medium Gain30 dB.
- Reverse Polarity Protection Optional

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +24 volts
 RF Input Power +10 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1.0	400	MHz.
Gain	30	28		dB.
Gain Flatness	±0.50		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+30	+28		dBm.
Noise Figure	5.0		6.0	dB.
Reverse Isolation	40			dB.
IP ₃ (two-tone)*	43	40		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+24/320		+24/350	v/mA.

Min. and max. Values are from -40°C to +75°C

