

# ASC2689C

## 10-2000 MHz Wideband Amplifier



### Features: (typical values)

- Bandwidth ..... 10-2000 MHz.
- Power Out .....26.0 dBm.
- Gain .....37 dB.
- Noise Figure.....4.0 dB.
- IP<sub>3</sub> .....36 dBm.

### Maximum Ratings

- Storage Temperature ..... -62°C to +125°C
- DC Voltage ..... +12 volts
- RF Input Power .....-8 dBm.
- Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	2000	MHz.
Gain	37	35	40	dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+26	+25		dBm.
Noise Figure	4.0		5.0	dB.
IP <sub>3</sub>	36	33		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+12/430		+12/450	v/mA.

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

Parts compliant with MIL-STD-883

