

ASC3059C

**500 – 3000 MHz
Cascade Amplifier**

Features: (typical values)

- P1dB +27 dBm.
- IP3 +38 dBm.
- Gain 31 dB.
- No external components required

Maximum Ratings

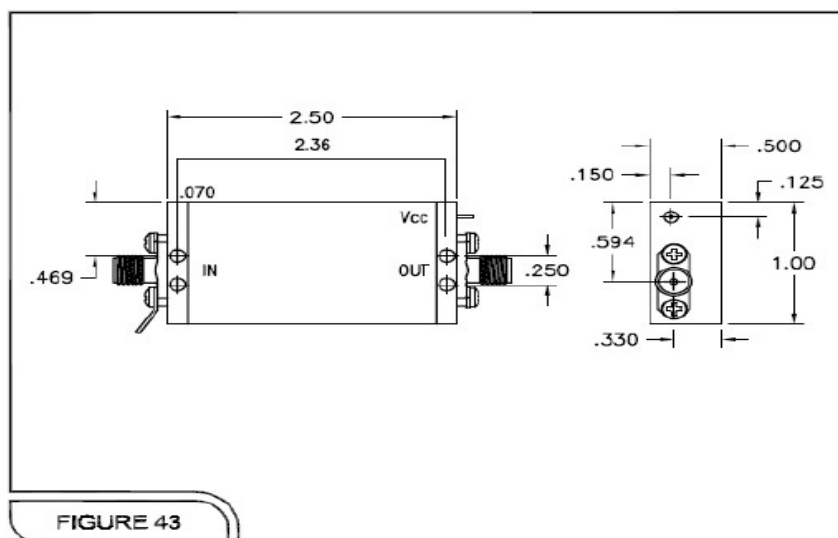
Operating Temperature -20°C to +75°C
Storage Temperature -54°C to +125°C
DC Voltage +15 volts
RF Input Power 23 dBm.
Case Temperature +100°C



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		500	3000	MHz.
Gain	31	30.0		dB.
Gain Flatness Full Band	±0.50		±0.75	dB.
Pout @ P1dB	+27	+26		dBm.
Noise Figure	4.5		6.0	dB.
IP3	+38	+36		dBm
IP2	+50	+47		dBm
VSWR In	1.5:1		1.7:1	Ratio
VSWR Out	1.6:1		1.7:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+15/470		+15/490	v/mA.

OUTLINE



FUNCTIONAL BLOCK DIAGRAM

