

ASC2636C

2000-4000 MHz Amplifier



Features: (typical values)

- Bandwidth 2000-4000 MHz.
- Power Out 15 dBm.
- Gain 28 dB.
- Reverse Polarity Protection Optional
- No external components required

Maximum Ratings

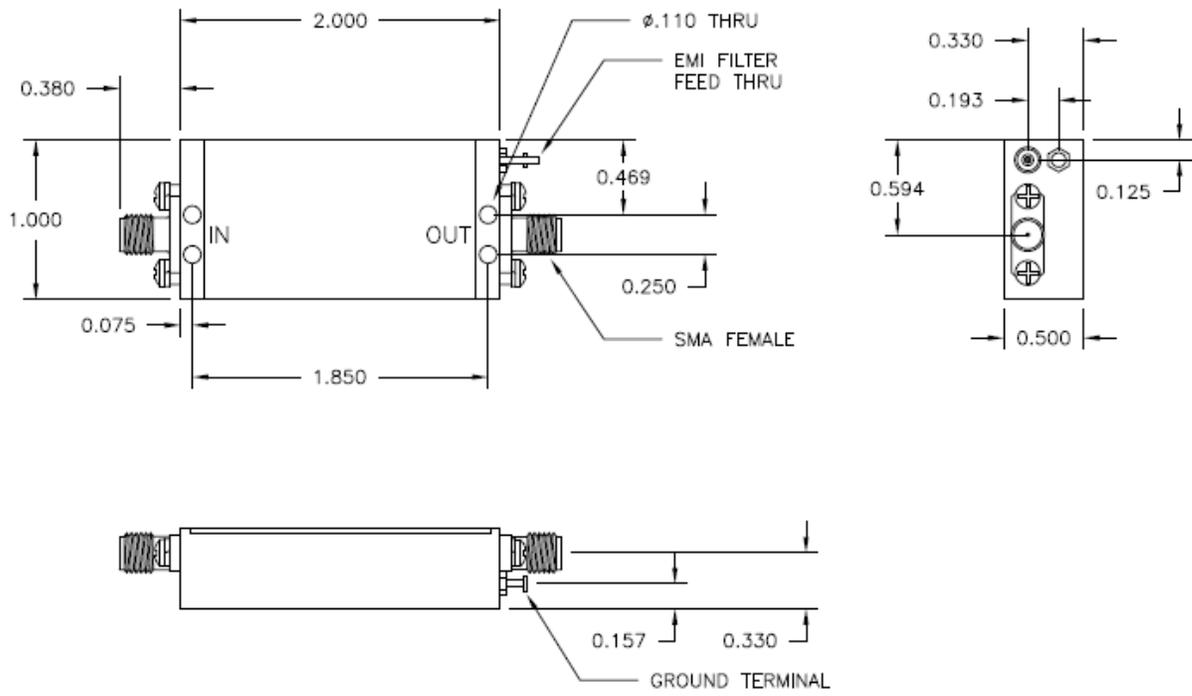
Storage Temperature -62°C to +125°C
 DC Voltage +15 volts
 RF Input Power 5 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

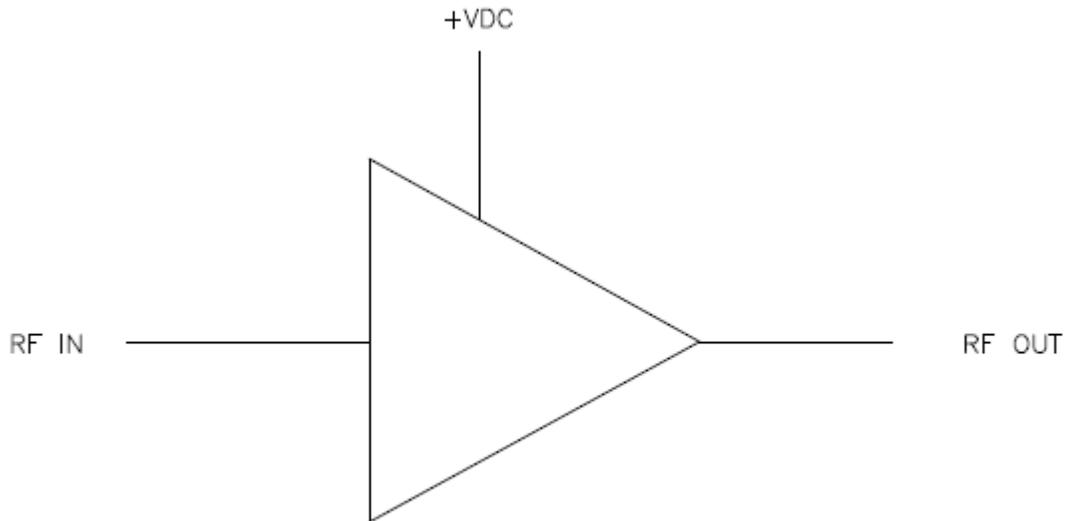
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2000	4000	MHz.
Gain	28	26		dB.
Gain Flatness	±0.75		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+15	+10		dBm.
Noise Figure	1.5		1.8	dB.
IP ₃ @ two input tone of +5dBm	25			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+12/130		+12/160	v/mA.

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

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED