

ASC2501C

500-2000 MHz Amplifier



Features: (typical values)

- Bandwidth 500-2000 MHz.
- Power Out 26 dBm.
- Medium Gain 34 dB.
- Reverse Polarity Protection Optional
- No external components required

Maximum Ratings

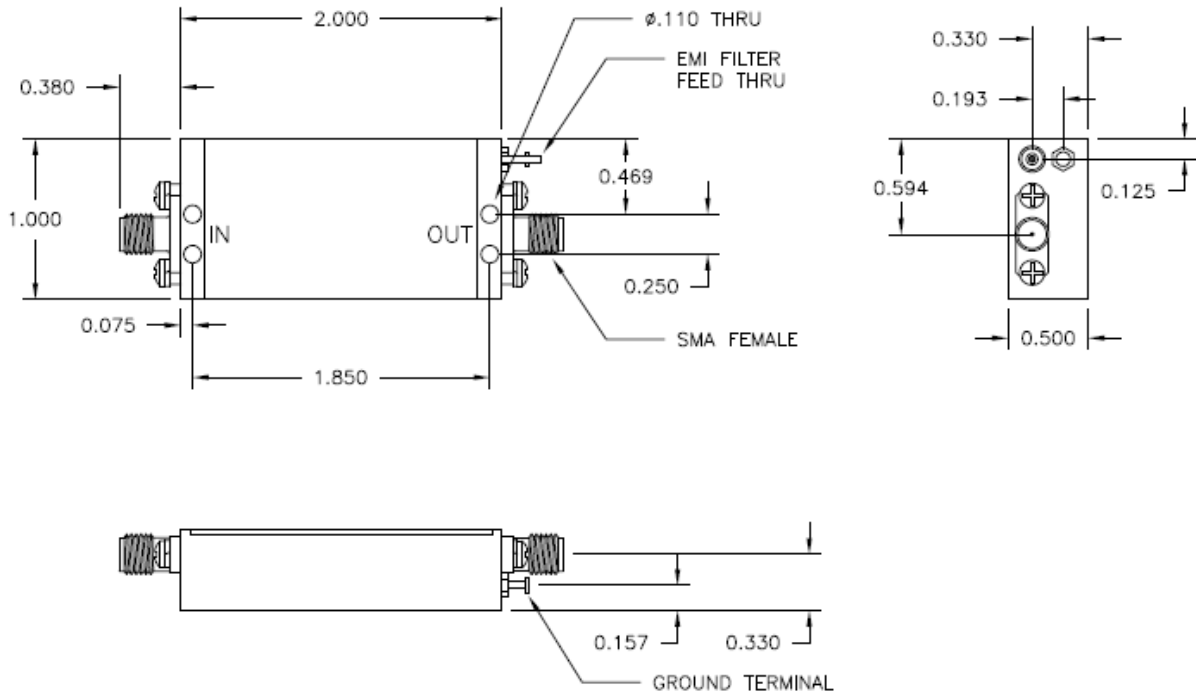
Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +15 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

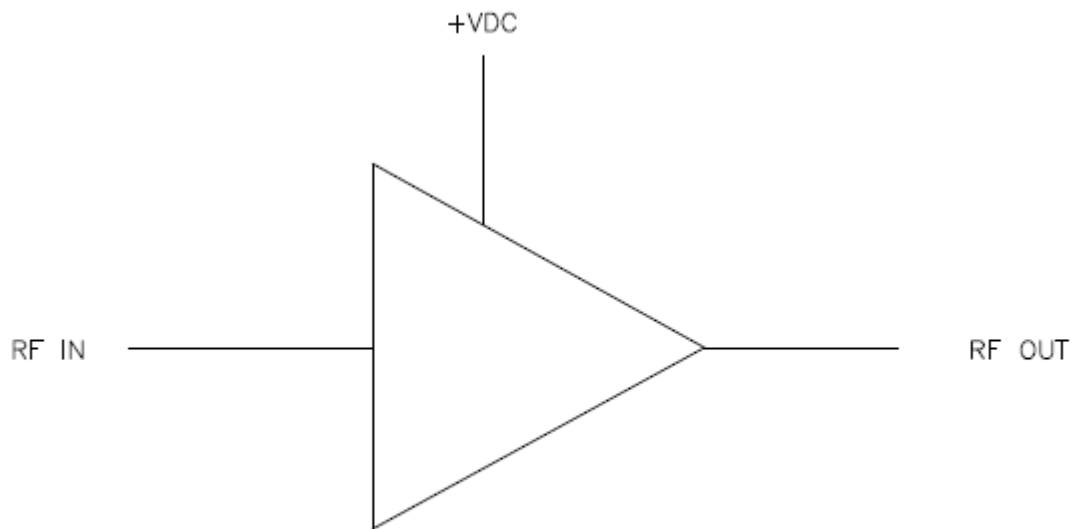
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		500	2000	MHz.
Gain	34.5	33	36	dB.
Gain Flatness	±0.3		±0.5	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+26	+23		dBm.
Noise Figure	2.1		4.0	dB.
Reverse Isolation	40			dB.
IP ₃ (two-tone)*	39	34		dBm.
VSWR In/Out	1.3:1		1.7:1	
Supply Required	+15/355		+15/380	v/mA.

Min. and max. Values are from -40°C to +85°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED