

ASC3106C

**1600 - 3200 MHz
Low Noise Figure Amplifier**



Features: (typical values)

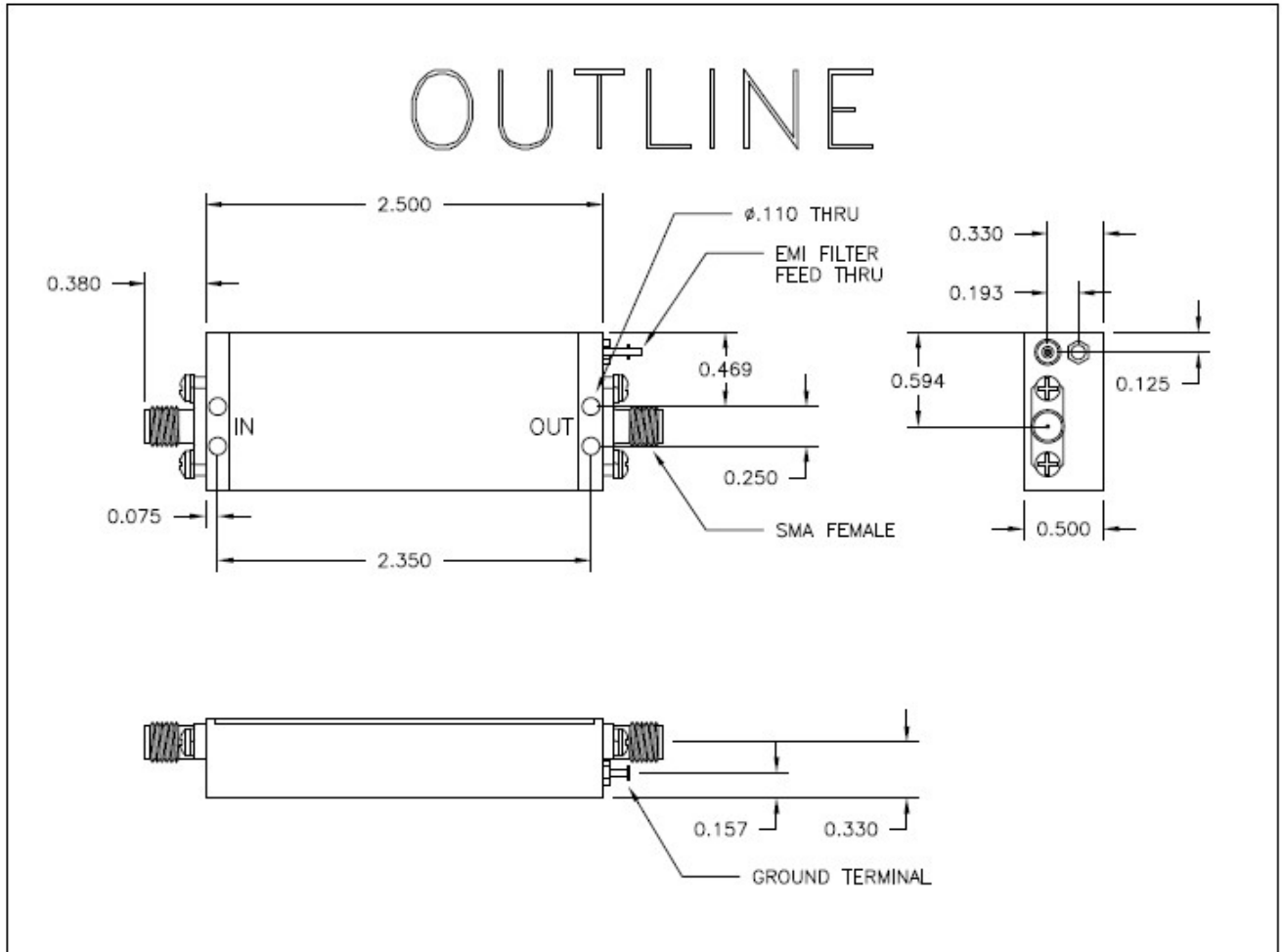
- Power Out +7 dBm.
- Gain 32dB.
- Noise Figure..... 1.0 dB.
- No external components required
- Connector SMA-F

Maximum Ratings

Storage Temperature -62°C to +125°C
 Operating Temperature 0°C to +50°C
 DC Voltage +16 volts
 RF Input Power -10 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1600	3200	MHz.
Gain	32	30		dB.
Gain Flatness Full Band	±0.75		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+7	+5		dBm.
Noise Figure	1.0		1.2	dB.
VSWR In	1.4:1		1.5:1	
VSWR Out	1.6:1		1.8:1	
Supply Required	+15/200		+15/300	v/mA.
Impedance	50 Ohm			



FUNCTIONAL BLOCK DIAGRAM

