

ASC2006C

**20 - 1000 MHz
Casscade Amplifier**



Features: (typical values)

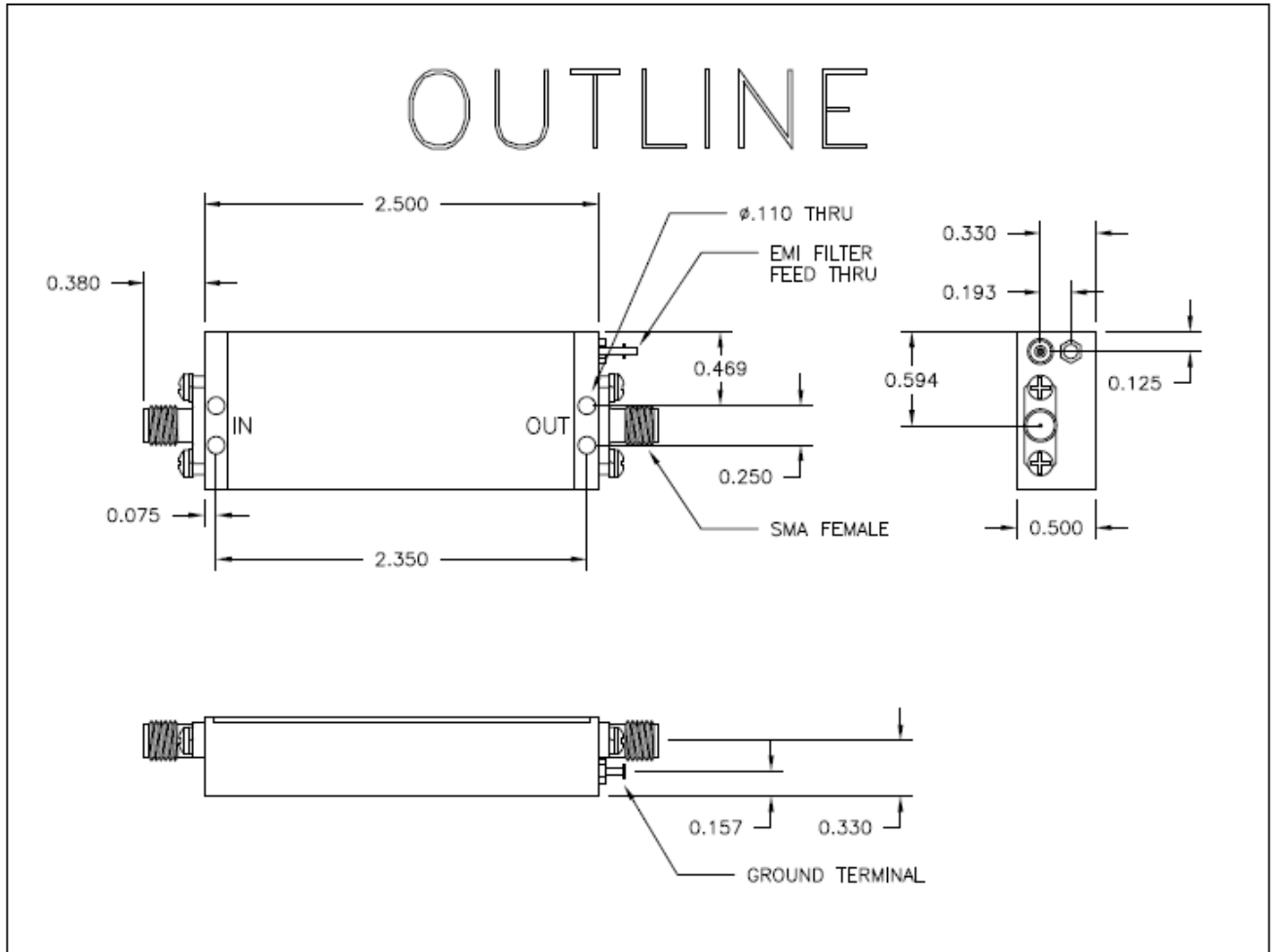
- Power Out +31 dBm.
- Gain 40 dB.
- Noise Figure..... 2.5 dB.
- No external components required
- Connector SMA-F

Maximum Ratings

Storage Temperature -62°C to +125°C
 Operating Temperature-55°C to +85°C
 DC Voltage +17 volts
 RF Input Power +15 dBm.
 Case Temperature +105°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	1000	MHz.
Gain	40	38		dB.
Gain Flatness Full Band	±0.70		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Reverse Isolation	50			dB.
Pout @ 1dB Comp	+31	+30		dBm.
Noise Figure	200 MHz – 1000 MHz	2.5	3.0	dB.
Third Order Two Tone Intercept Point	+44			dBm.
Second Order Two Tone Intercept Point	+55			dBm.
VSWR In	1.7:1		2.0:1	
VSWR Out	1.8:1		2.0:1	
Supply Required	+15/450		+15/500	v/mA.
Impedance	50 Ohm			



FUNCTIONAL BLOCK DIAGRAM

