

ASC3105C

**6000 - 8000 MHz
Cascade Amplifier**



Features: (typical values)

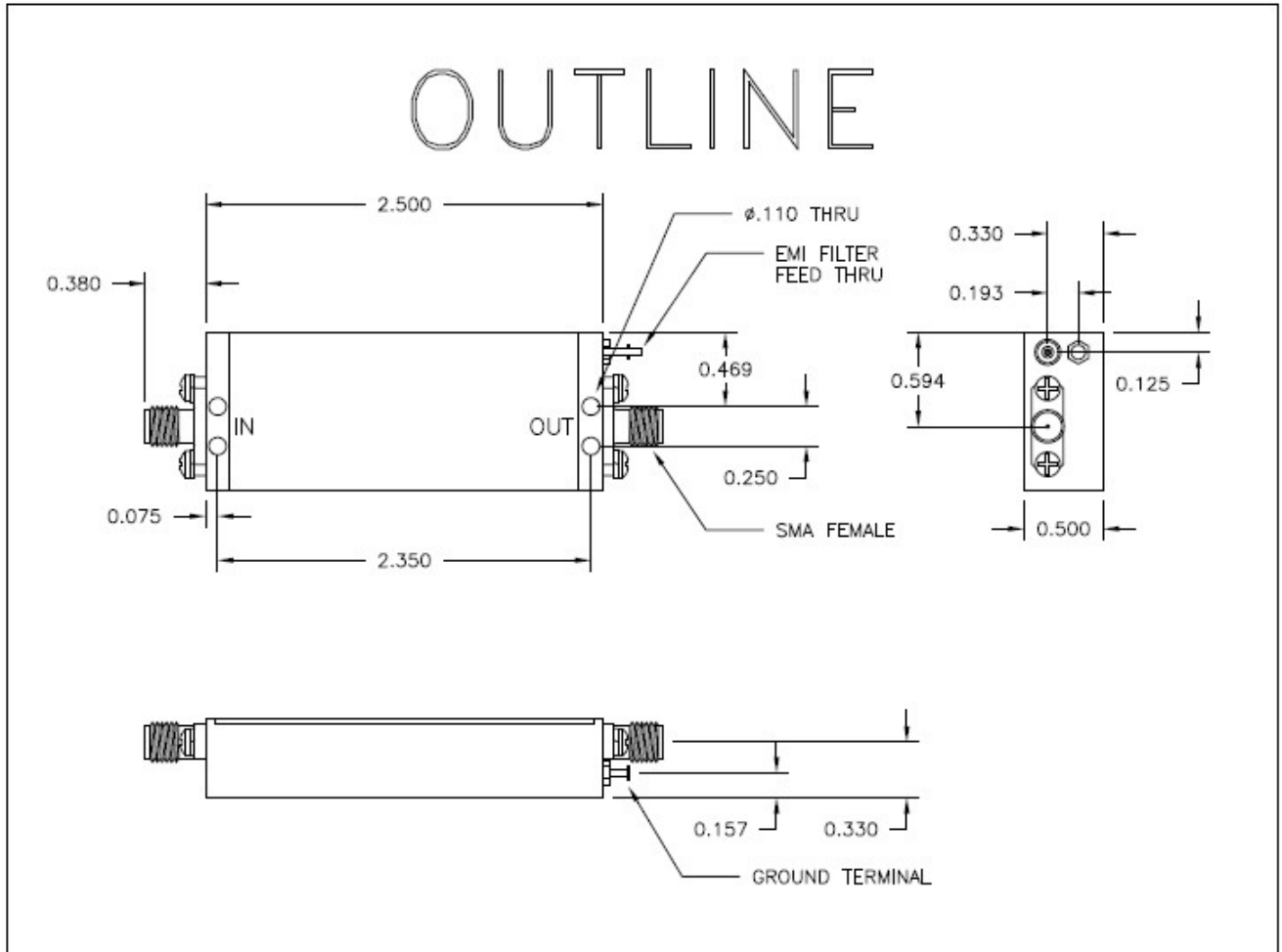
- Power Out 26 dBm.
- Gain 25 dB.
- Noise Figure..... 3.5 dB.
- IP3 37 dBm.
- No external components required
- Connector SMA-F

Maximum Ratings

Storage Temperature -62°C to +125°C
 Operating Temperature -20°C to +75°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		6000	8000	MHz.
Gain	25	20		dB.
Gain Flatness	±0.75		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+26	+24		dBm.
Noise Figure	3.5		4.0	dB.
IP3	37	34		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+15/550		+15/600	v/mA.



FUNCTIONAL BLOCK DIAGRAM

