

ASC2959C

2000 - 4000 MHz Cascade Amplifier



Features: (typical values)

- Bandwidth 2000-4000 MHz.
- Power Out 26 dBm.
- Gain 30 dB.
- Noise Figure..... 3.0 dB.
- IP₃ 37 dBm.
- No external components required

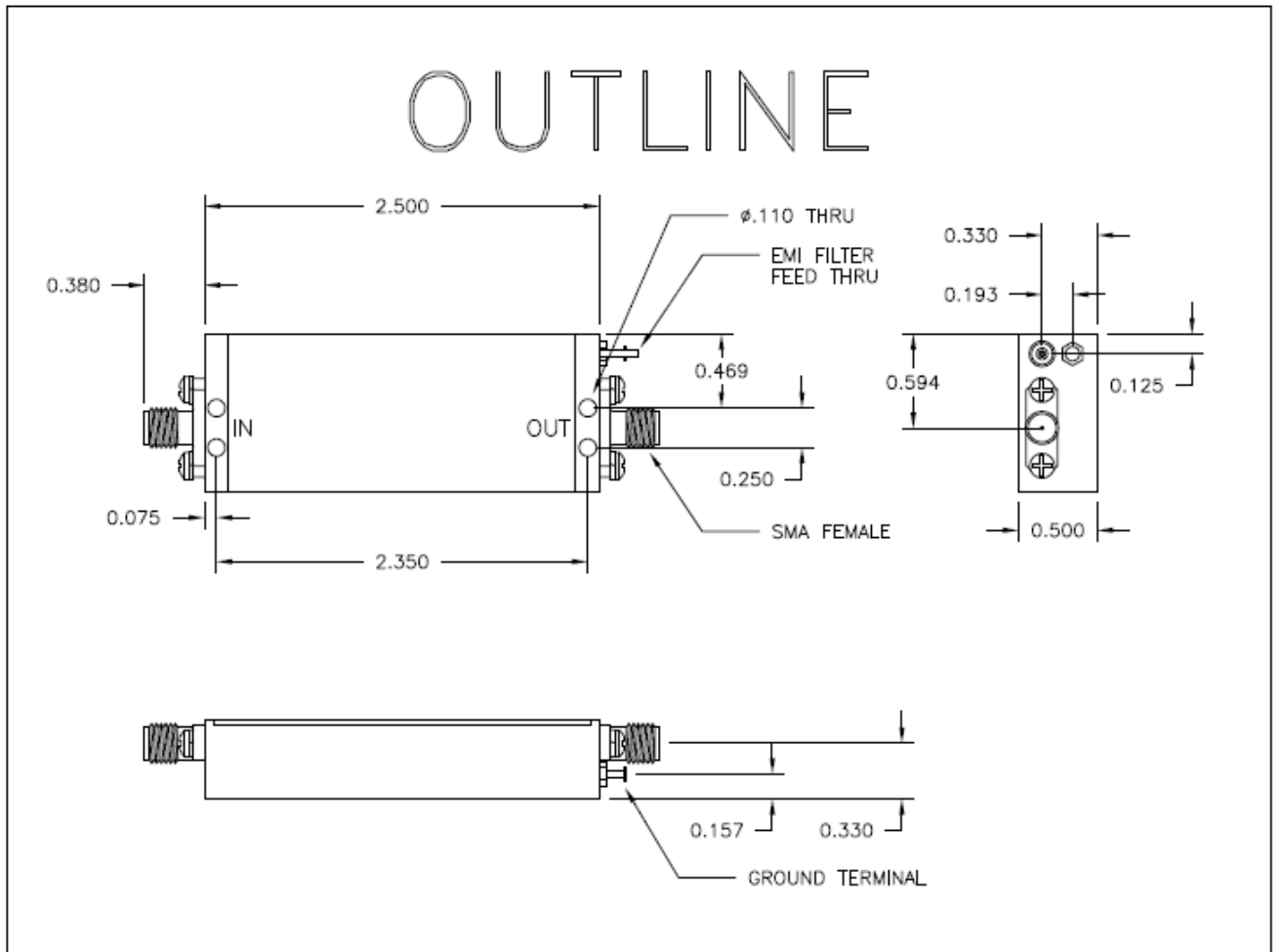
Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +30 dBm.
 Case Temperature +100°C

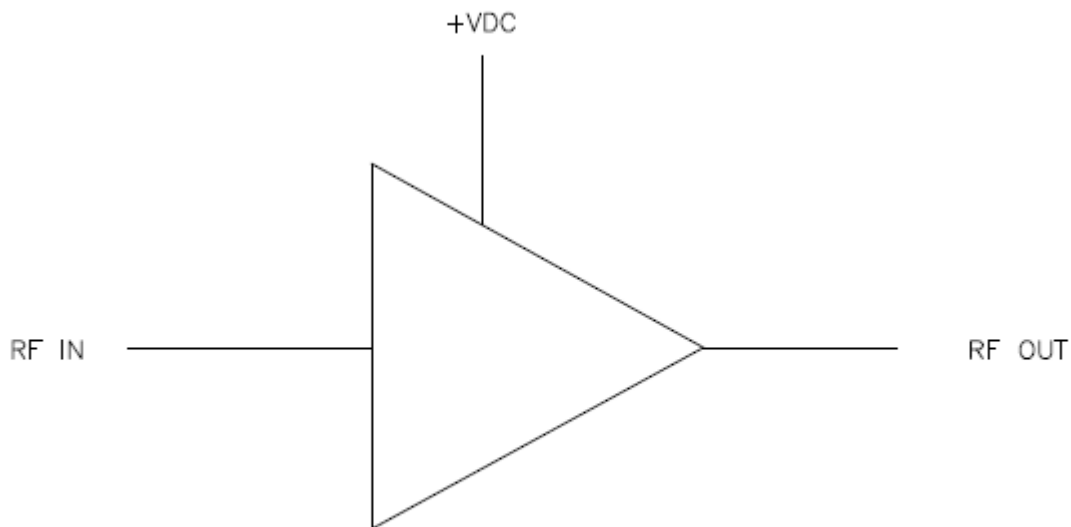
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2000	4000	MHz.
Gain	30	28	32	dB.
Gain Flatness	±0.75		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+26	+24		dBm.
Noise Figure	3.0		4.5	dB.
IP3	37	34		dBm.
IP2	52	45		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/550		+15/600	v/mA.

Min. and max. Values are from -20°C to +75°C
 Limiter is required



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED