

ASC2805C

50-1000 MHz Ultra Linear 1 Watts Amplifier



Features: (typical values)

- High IP3 +42.0 dBm.
- High Gain 50 dB.
- High Output Power +31.0 dBm.
- No external components required

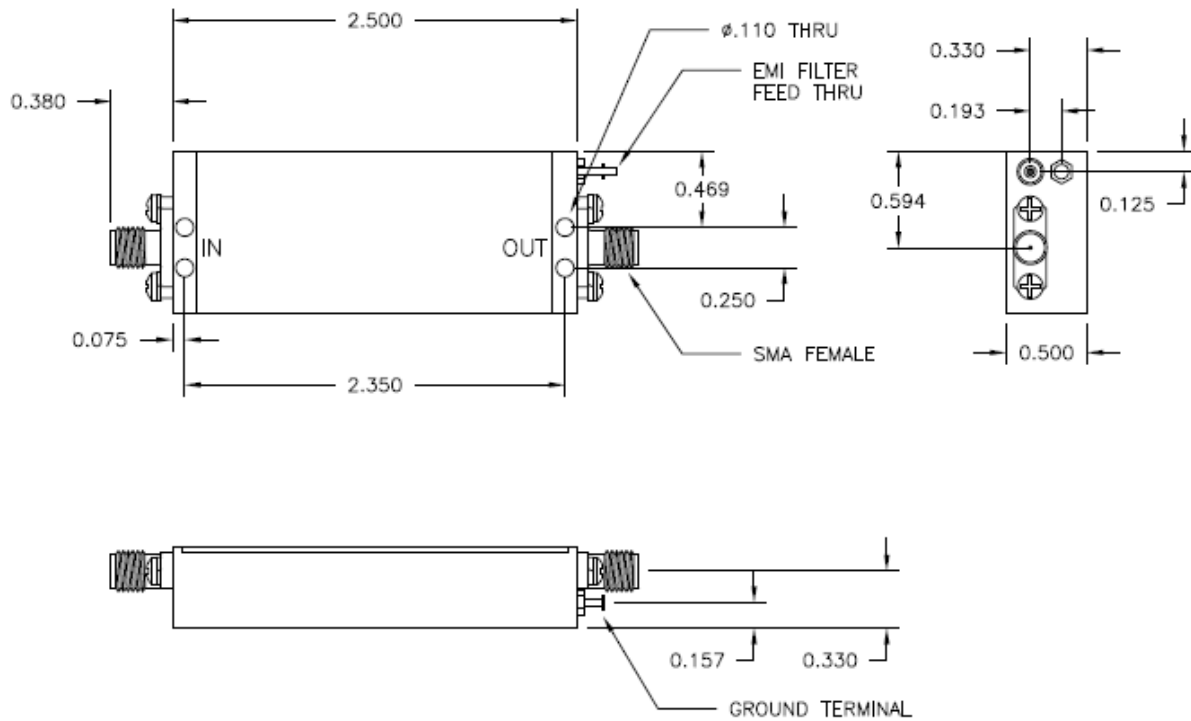
Maximum Ratings

Operating Temperature -20°C to +60°C
 Storage Temperature -20°C to +125°C
 DC Voltage +15volts
 RF Input Power -15 dBm.
 Case Temperature +95°C

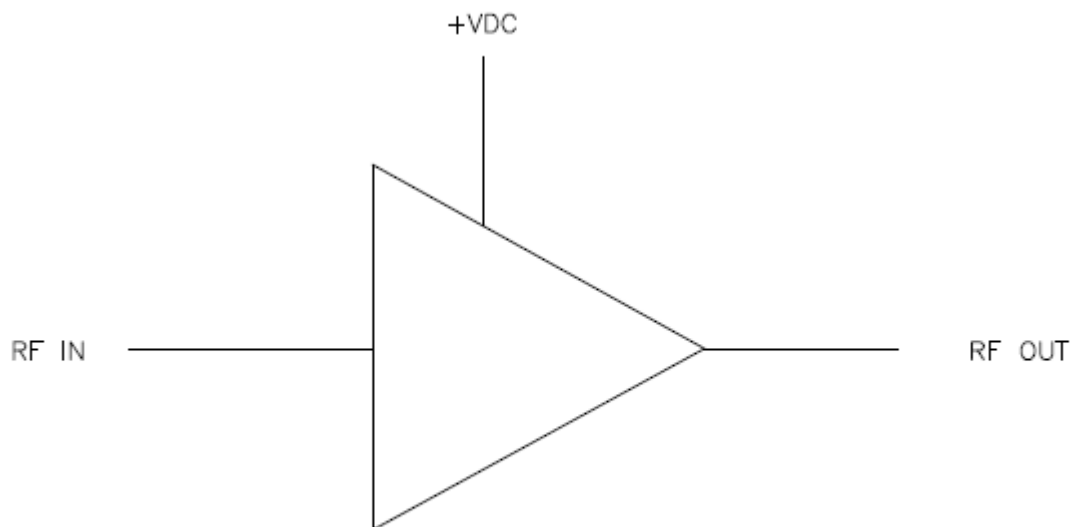
Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		50	1000	MHz.
Gain	50.0	48.0		dB.
Gain Flatness	±0.5		±1.0	dB.
Pout @ 1dB Comp	31.0	30.0		dBm.
Noise Figure	2.5		3.0	dB.
VSWR (Input/Output)	1.8:1		2.0:1	dBm.
Impedance, Input/Output	50 Ohm			
Supply Required	+15/550		+15/600	v/mA.

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED