

Features: (typical values)

- Output Power +6 dbm. @ 1dB. Compression
- NF 2.0 dB
- Gain 20dB
- Unconditional Stability
- No external components required

**2000 – 6000 MHz
Low Noise Amplifier**



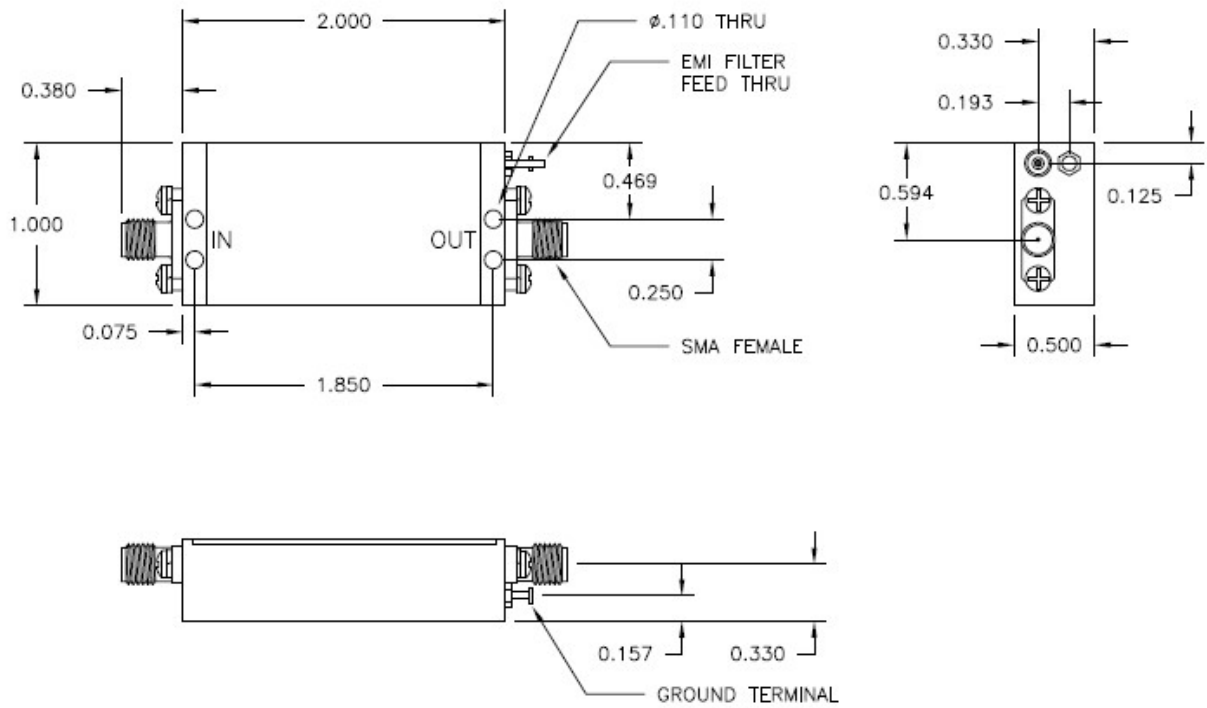
Maximum Ratings

- Storage temperature -55°C to +125°C
 DC Operating Voltage +14.0 volts
 RF Input Signal +0 dBm. Max.
 Operating Base Temp. -20 to +70°C

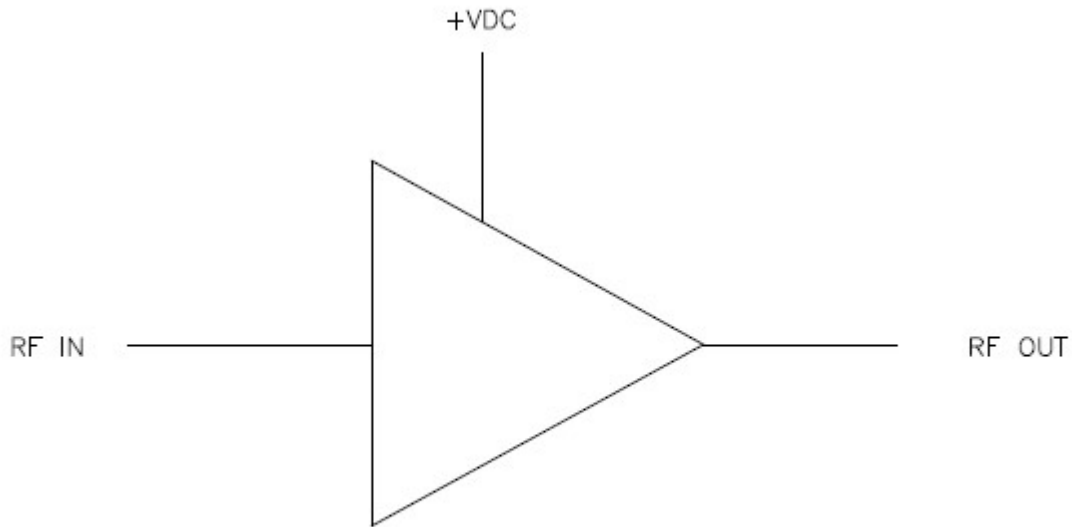
Specifications @ Tcase = 25°C, Vcc = 12V, 50-ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		2	6	GHz.
Power Gain	20	19		dB.
Gain Flatness	±1.0		±1.5	dB.
Noise Figure	2.0		2.5	dB.
Power Output- 1dB Compression	6	5	10	dBm.
IP3	20			dBm.
VSWR in/out	1.7:1		2.0:1	Ratio
Supply Current @ 12V	150		170	mA.
Operating Temperature -20C to +70C				
CONNECTORS	SMA-F			

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED