

Features: (typical values)

- Output Power – 25 dbm. @ 1dB. compression,
- Unconditional Stability
- No external components required

Maximum Ratings

Storage temperature -55°C to +125°C
 DC Operating Voltage +15.0 volts
 RF Input Signal +15 dBm. Max.
 Operating Base Temp. -40 to +85°C

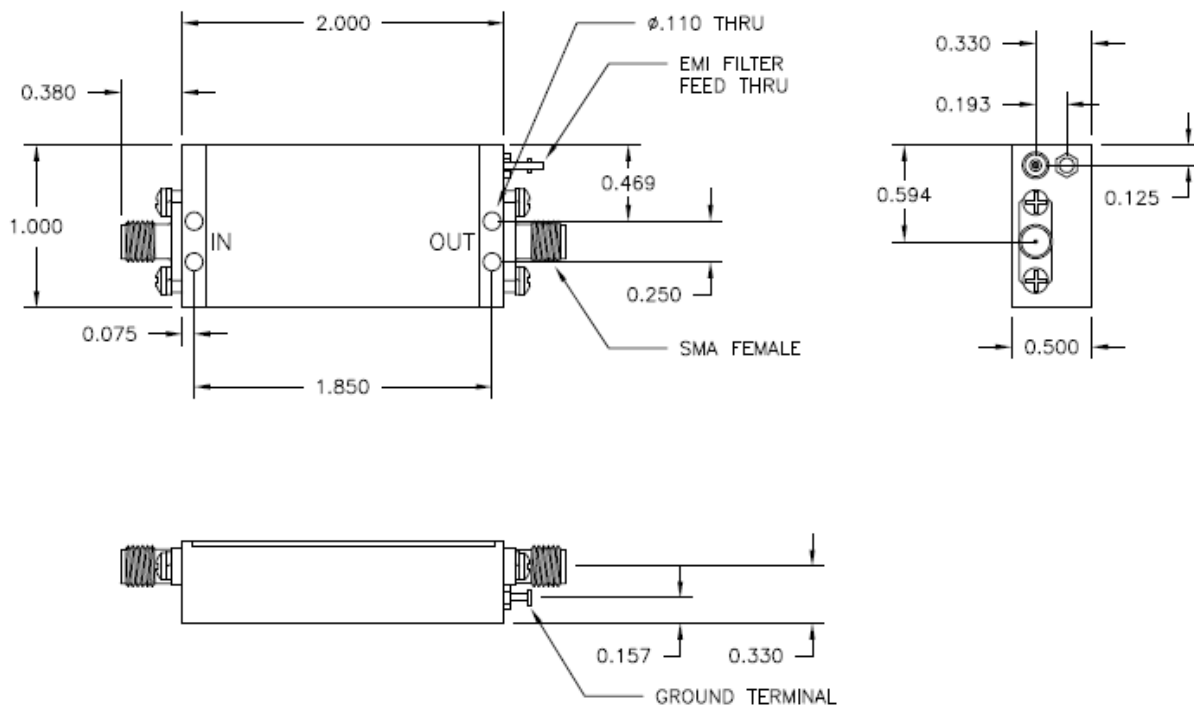
2.7 – 3.1 GHz Cascade Amplifier



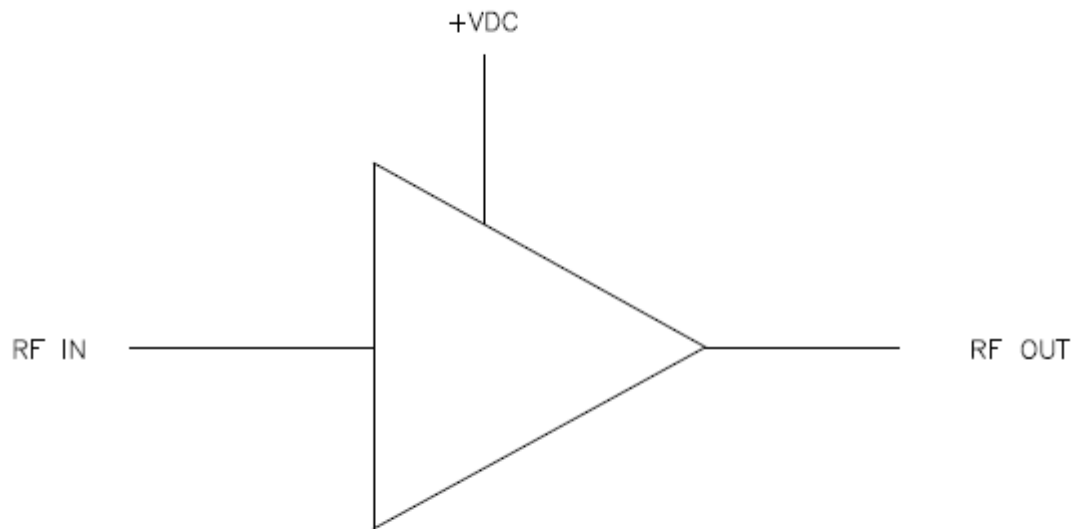
Specifications @ Tcase = 25°C, Vcc = 15V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		2.7	3.1	GHz.
Power Gain	25	24		dB.
Gain Flatness (peak to peak)	±0.5		±1.0	dB.
Input VSWR	1.7		2.0:1	-
Output VSWR	1.7		2.0:1	-
Noise Figure	4.0		5.0	dB.
Power Output- 1dB Compression	25	23		dBm.
Supply Current @ 15 Volts	300		350	mA.
Operating Temperature -40C to +85C				

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED