

Features: (typical values)

- Output Power – 27 dbm. @ 1dB. compression,
- NF..... 3.7 dB.
- GAIN 37 dB.
- Unconditional Stability
- No external components required

**2500-5700 MHz.
Casscade Amplifier**

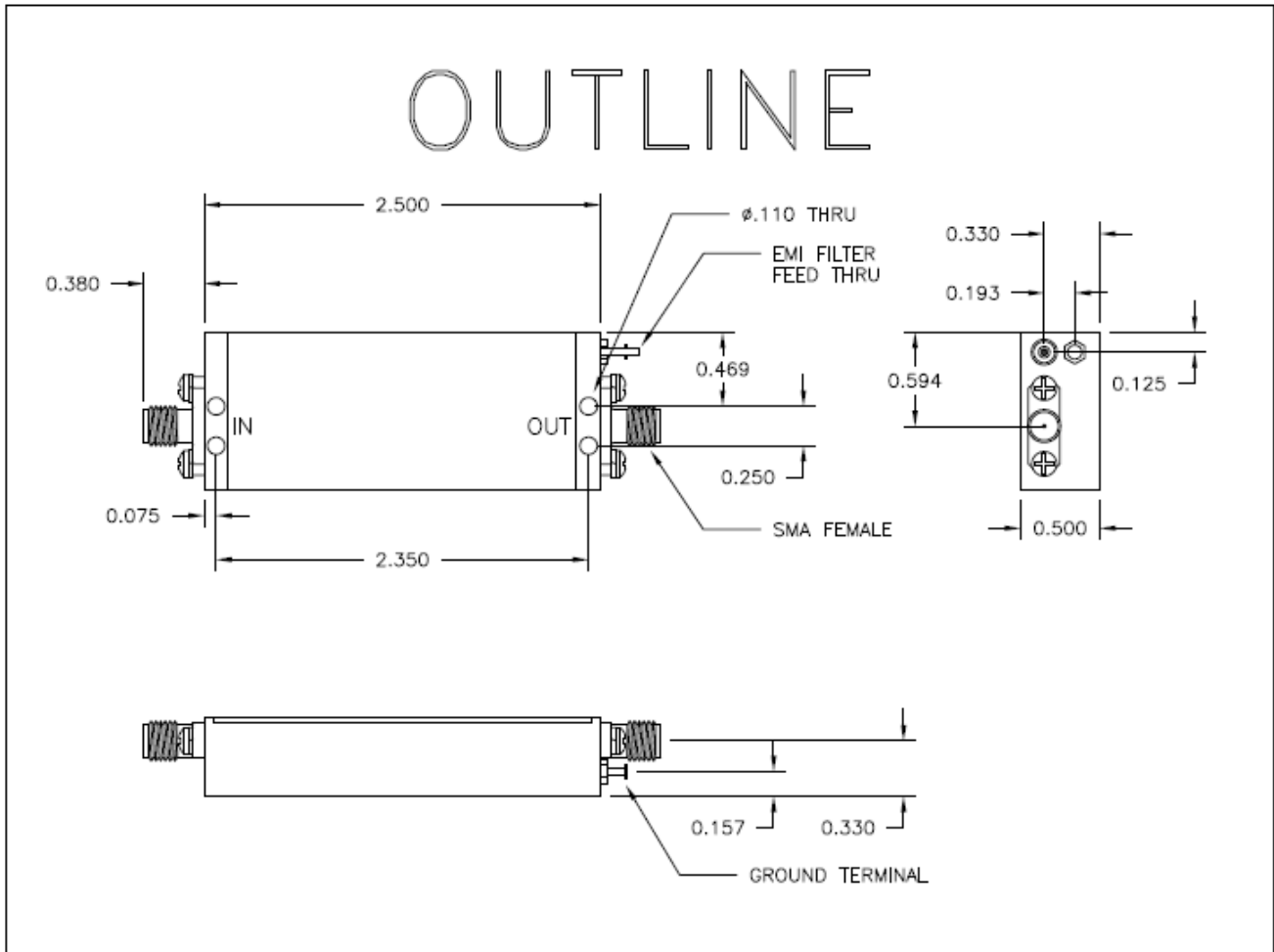


Maximum Ratings

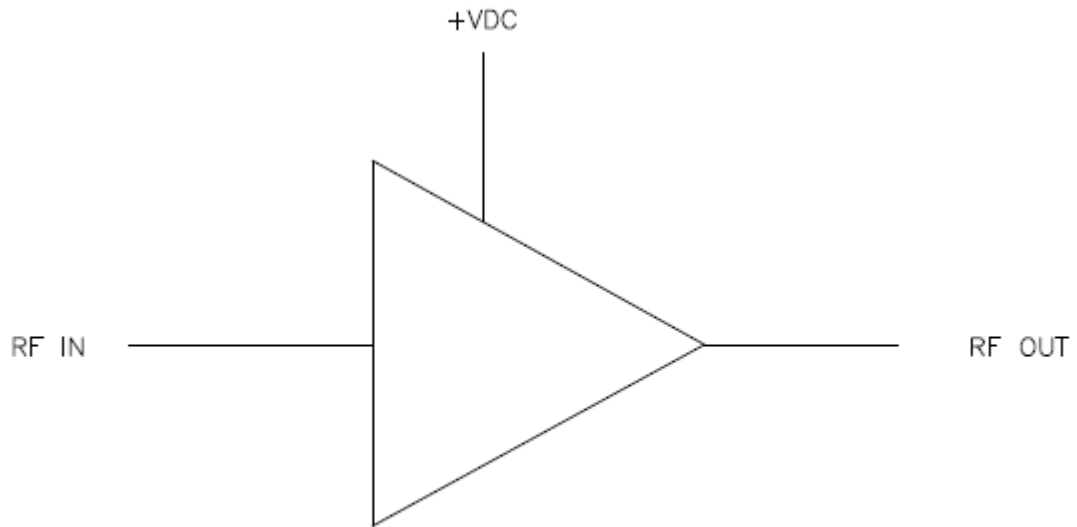
Storage temperature -62°C to +71°C
 DC Operating Voltage +13.0 volts
 RF Input Power +27dBm. Max.
 Operating Base Temp. -20°C to +70°C

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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		2500	5700	MHz.
Power Gain	37	35	39	dB.
Gain Flatness	±0.5		±1.0	dB.
Input VSWR	1.8:1		2.0:1	-
Output VSWR	1.8:1		2.0:1	-
Noise Figure	3.7		4.5	dB.
Reverse Isolation	50			dB.
Power Output- 1dB Compression	27	25		dBm.
IP3 @ +12dbm per tone	38	37		dBm.
IP2 @ +12dbm per tone	56	50		
Supply Current @ 12 Volts	444		470	mA



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED