

Features: (typical values)

- Output Power 17dbm. @ 1dB.
- Noise Figure 2.0 dB.
- Gain 31 dB.
- Unconditional Stability
- No external components required

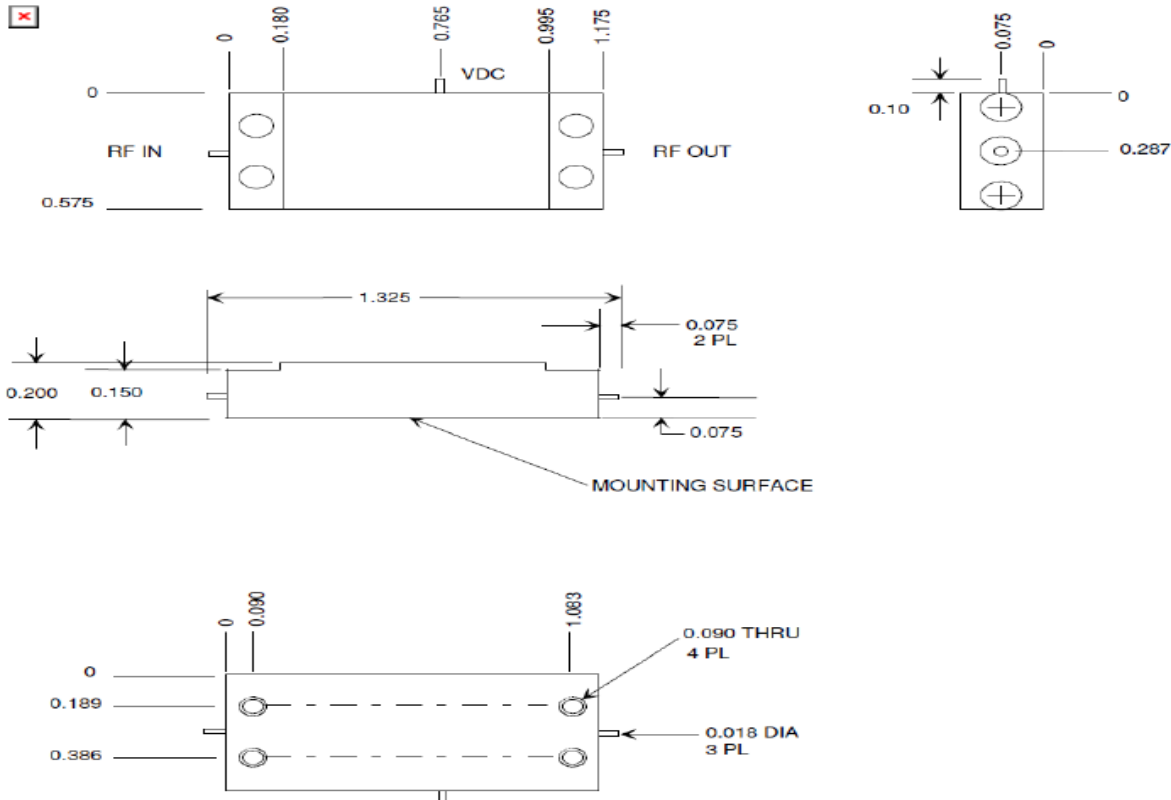
**1000-3000 MHz
Cascade Amplifier**

Maximum Ratings

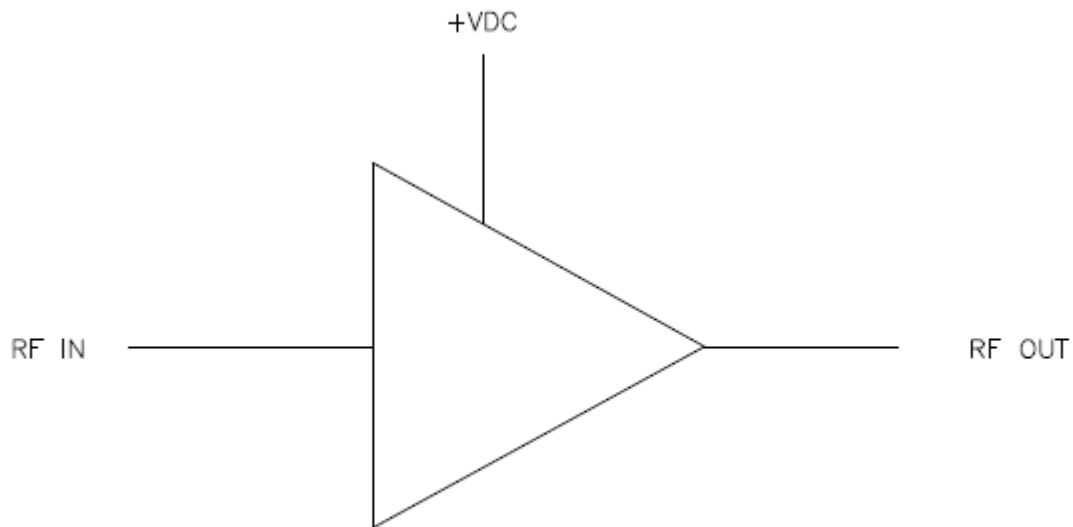
Storage temperature -55°C to +125°C
 DC Operating Voltage +14.0 volts
 RF Input Power +30 dBm. Max.

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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1000	3000	MHz.
Power Gain	31	30	33	dB.
Gain Flatness	±0.3		±0.75	dB.
Input & Output VSWR	1.5		1.8:1	
Noise Figure	2.0		2.5	dB.
Power Output- 1dB Compression	+17	+15		dBm.
IPO3	+30	+24		dBm.
IPO2	+45	+44		dBm.
Supply Voltage	12		12	V
Supply Current	200		220	mA.
Operating Temperature		-55	+70	C
Package	SMA-F Field Replaceable			



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED