

Features: (typical values)

- Output Power 12 dbm. @ 1dB.
- Noise Figure 0.7 dB.
- Gain 32 dB.
- Unconditional Stability
- No external components required

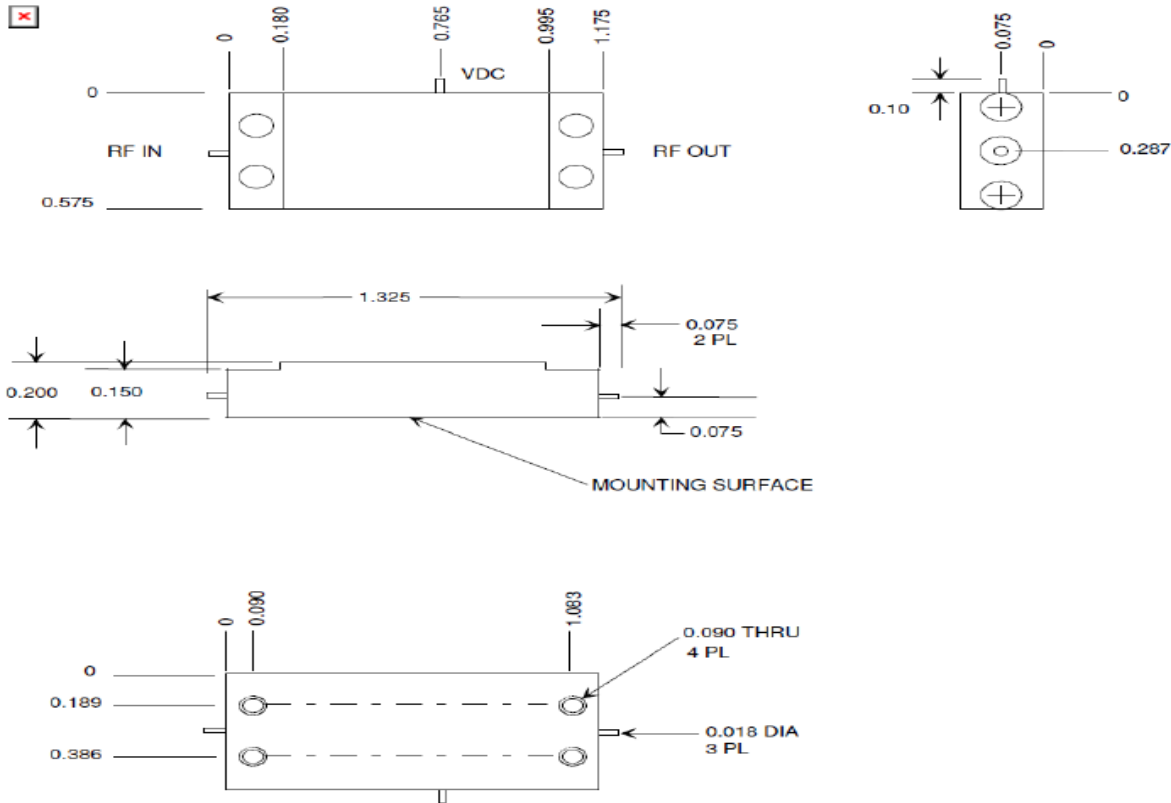
**4-8 GHz
Cascade Amplifier**

Maximum Ratings

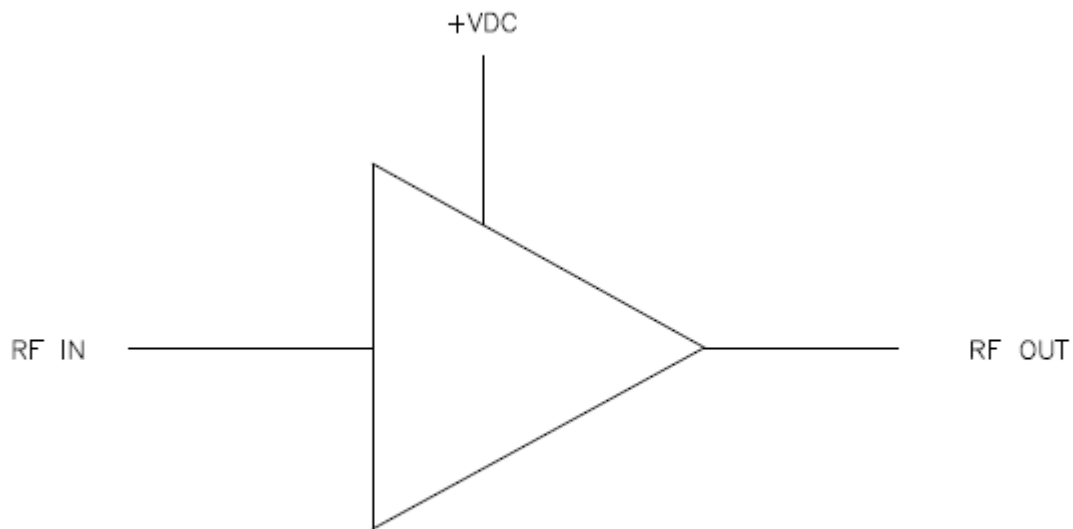
- Storage temperature -55°C to +125°C
 DC Operating Voltage +15.0 volts
 RF Input Power +0 dBm.

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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		4	8	GHz.
Power Gain	32	30		dB.
Gain Flatness	±0.5		±0.75	dB.
Input & Output VSWR	1.7		2.0:1	
Noise Figure	0.7		1.0	dB.
Power Output- 1dB Compression	+12	+10		dBm.
Supply Voltage	15		15	V
Supply Current	150		200	mA.
Operating Temperature		-20	+70	C
Package	SMA-F Field Replaceable			



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED