

Features: (typical values)

- Output Power – 34dbm. @ 1dB. compression
- NF..... 2.7 dB.
- GAIN 40 dB.
- Unconditional Stability
- No external components required

Maximum Ratings

Storage temperature -55°C to +125°C
 DC Operating Voltage +25.0 volts
 RF Input Power +5dBm. Max.
 Operating Base Temp. -30 to +75°C
 No damage Temp -62°C to +100°C

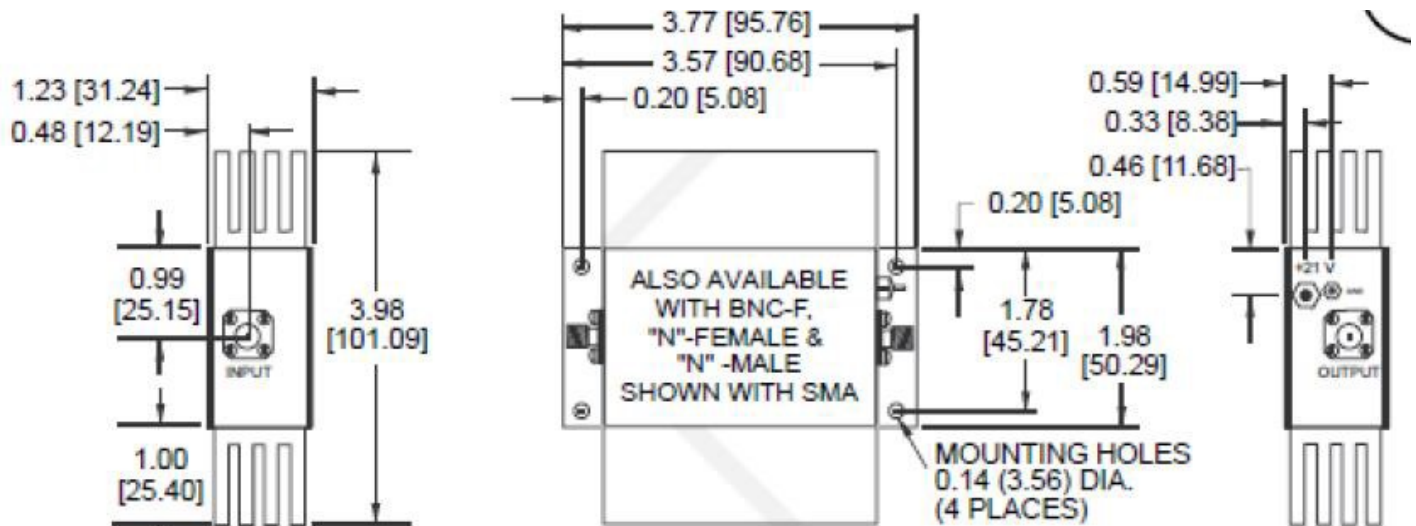
25-1000 MHz Casscade Amplifier



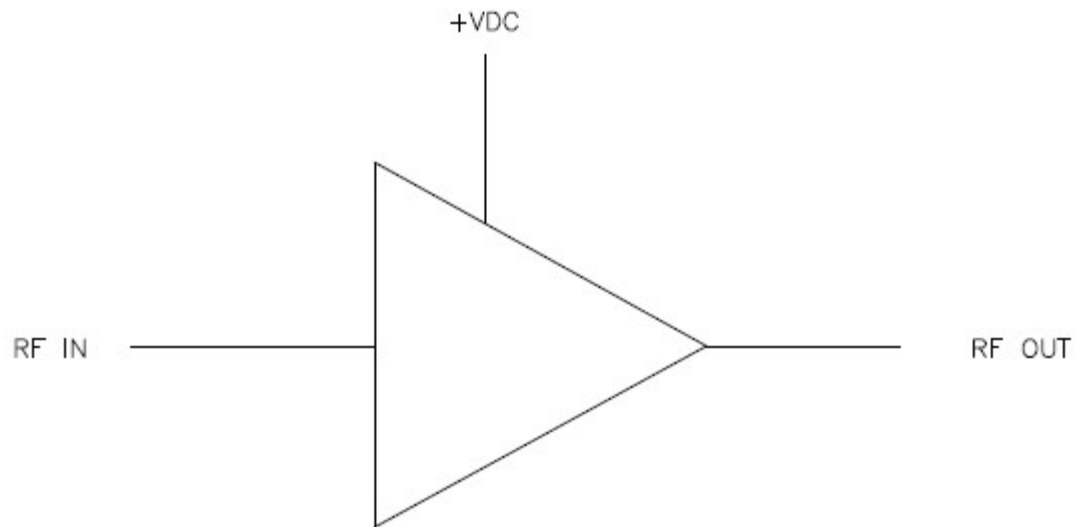
Specifications @ Tcase = 25°C, Vcc = 24V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		25	1000	MHz.
RF Gain	40	38		dB.
Gain Flatness	±0.5		±1.0	dB.
Input VSWR	1.8		2.0:1	-
Output VSWR	1.8		2.0:1	-
Noise Figure	2.7		3.0	dB.
Power Output- 1dB Compression	34	33		dBm.
IP3 @ 20 dBm per tone	49			dBm.
Supply Current @ 24 Volts	830		850	mA.
Operating Temperature -20 to +60C				

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED