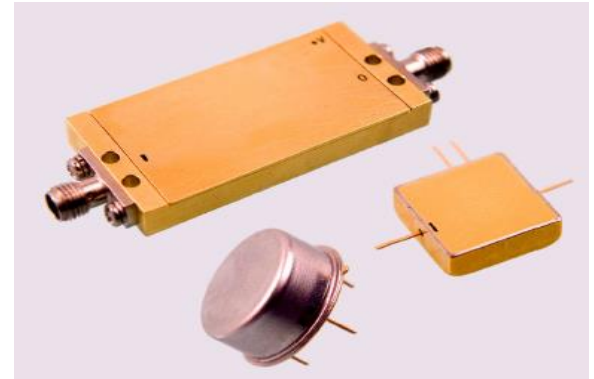


Features: (typical values)

- High Gain 12 dB.
 - Super Low Noise Figure 0.7 dB.
 - Output Power +20 dBm.
 - No external components required.
 - Available in TO-8, SMT, Connectorize housing or per customer Requested package
- Available in +3V/5V/10V/12V/15V**

**10-4000 MHz
Wideband Amplifier
Gain Block
Super Low Cost
Super Low Noise**



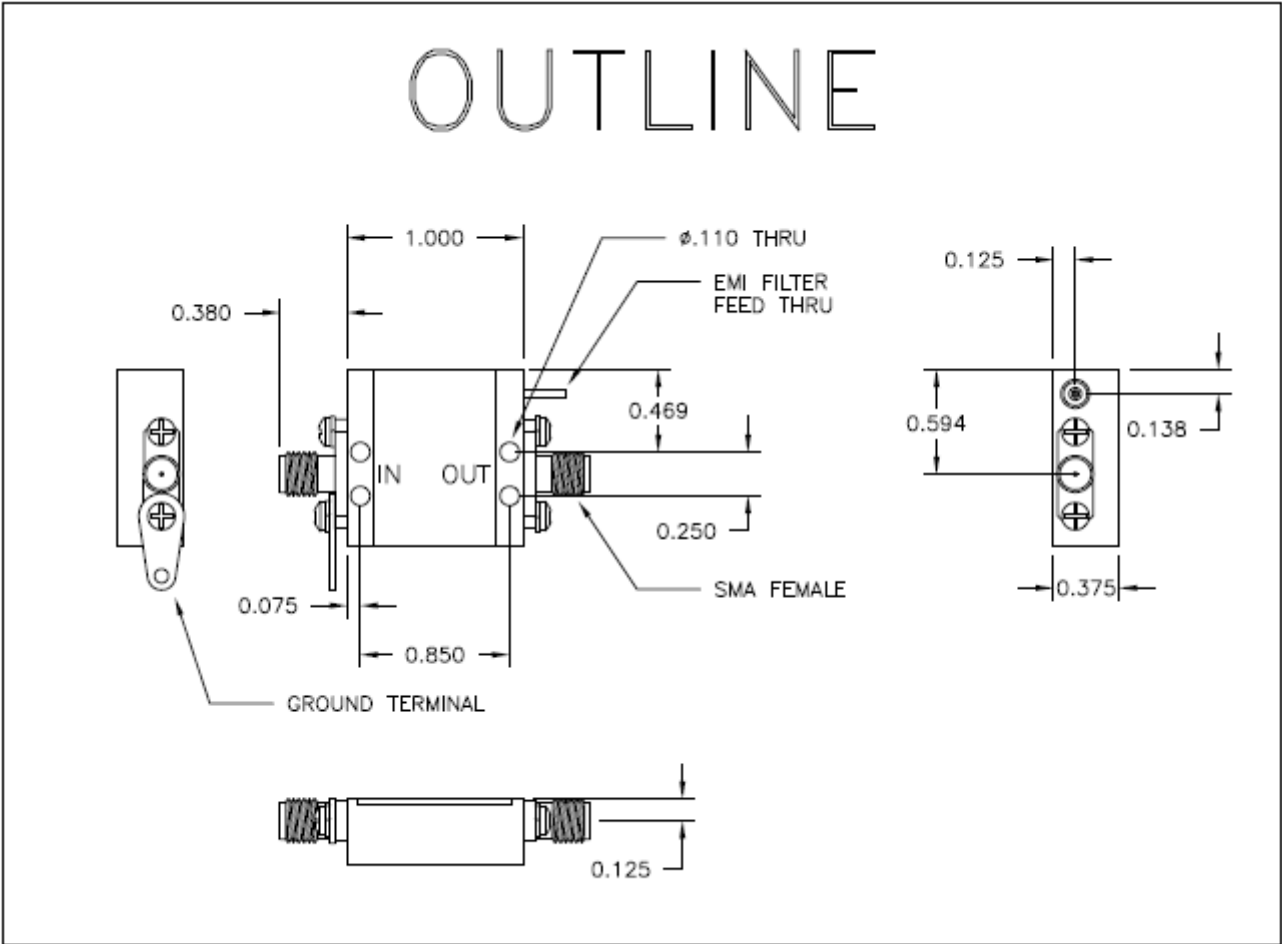
Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +6 volts
 RF Input Power +10.0 dBm.
 Case Temperature +100°C

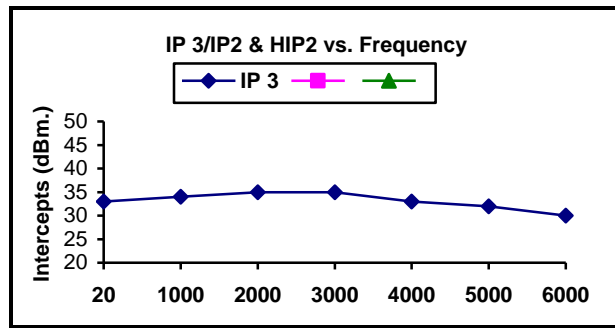
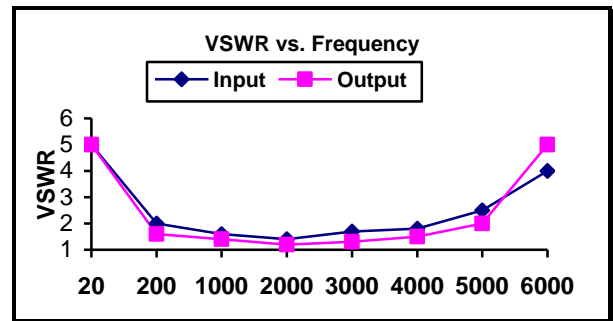
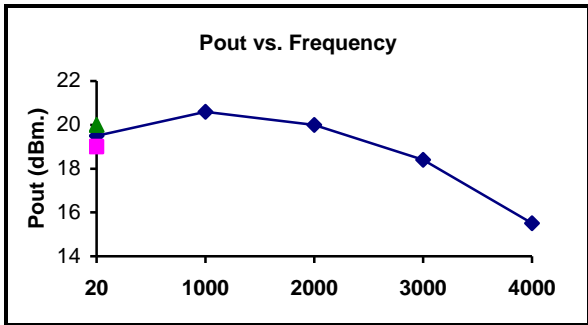
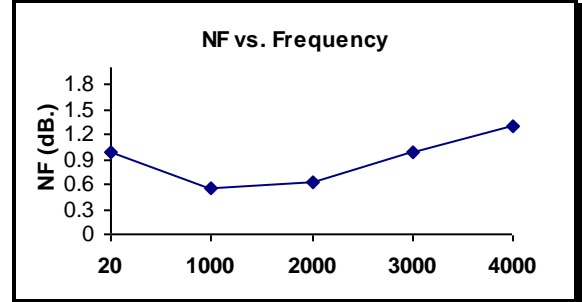
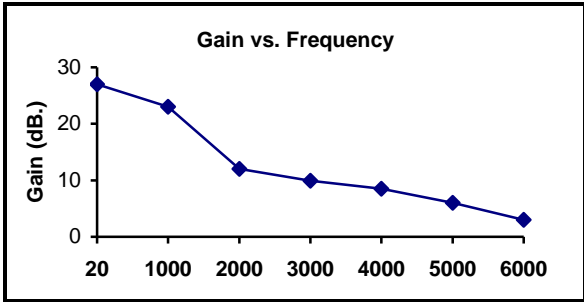
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	4000	MHz.
Gain @ 2 GHz	12	8.0		dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+20	+16		dBm.
Noise Figure 20-4000MHz	0.8		2.0	dB.
Reverse Isolation	25			dB.
IP ₃ /IP ₂ (two-tone)*	35/45			dBm.
VSWR In/Out 100-3000 MHz	1.8:1		2.0:1	
Supply Required	+5/70		+5/75	v/mA.

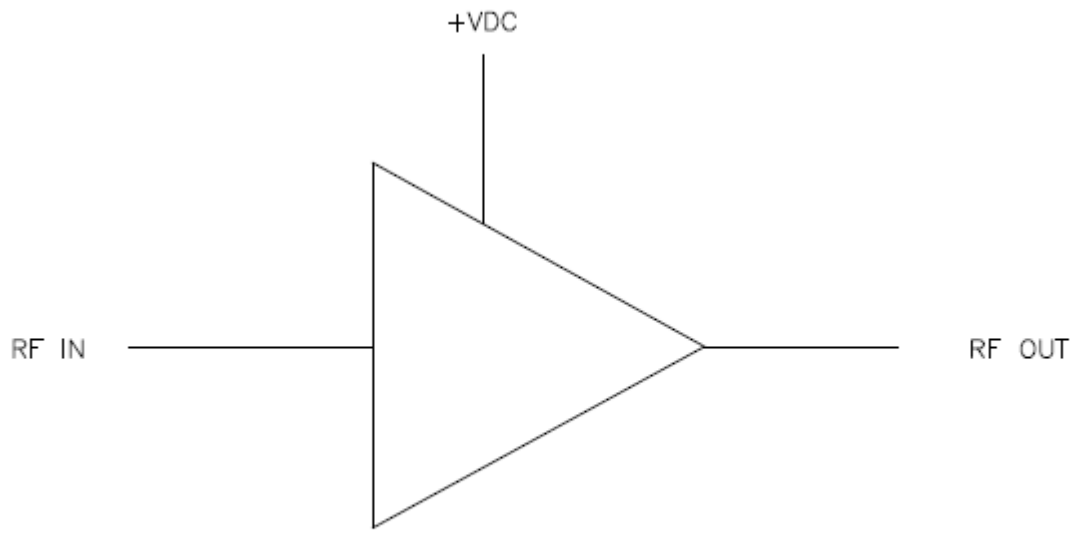
Min. and max. values are from 0°C to +85°C
 *IP₃ and IP₂ are in band output intercept points



Typical Performance Curves @ +25c



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED