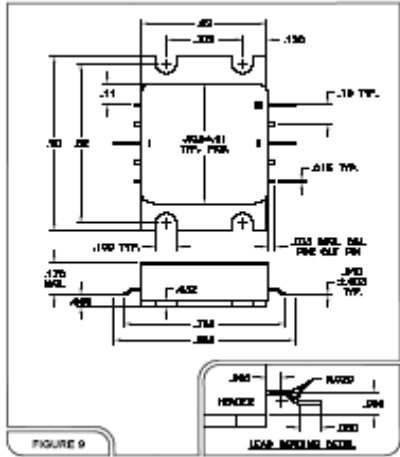
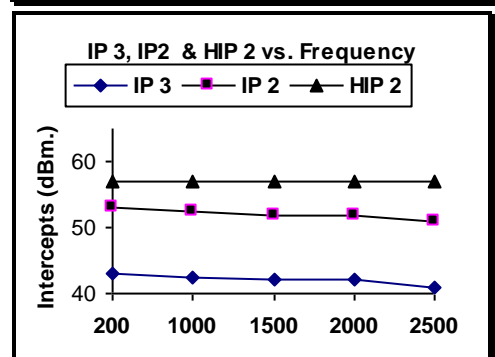
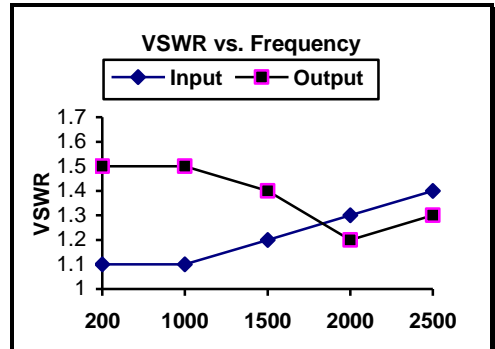
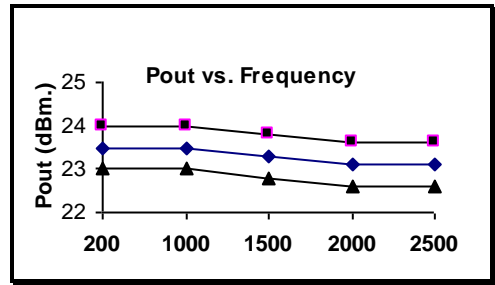
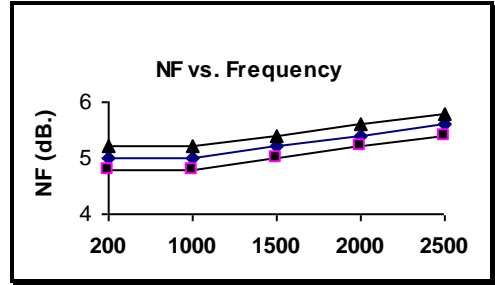
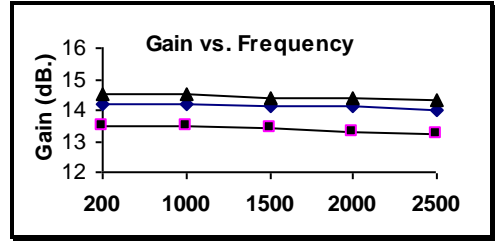


ASC228C 200-2500MHz. WideBand Amplifier



Typical Performance Curves

- ■ -0°C - ◆ +25°C - ▲ +85°C



Features: (typical values)

- Wideband 200-2500 MHz.
- High Second Order IP2 +52.0 dBm.
- High Third Order IP3 +42.0 dBm.
- No external components required

Specifications (Referenced to 50 ohms)

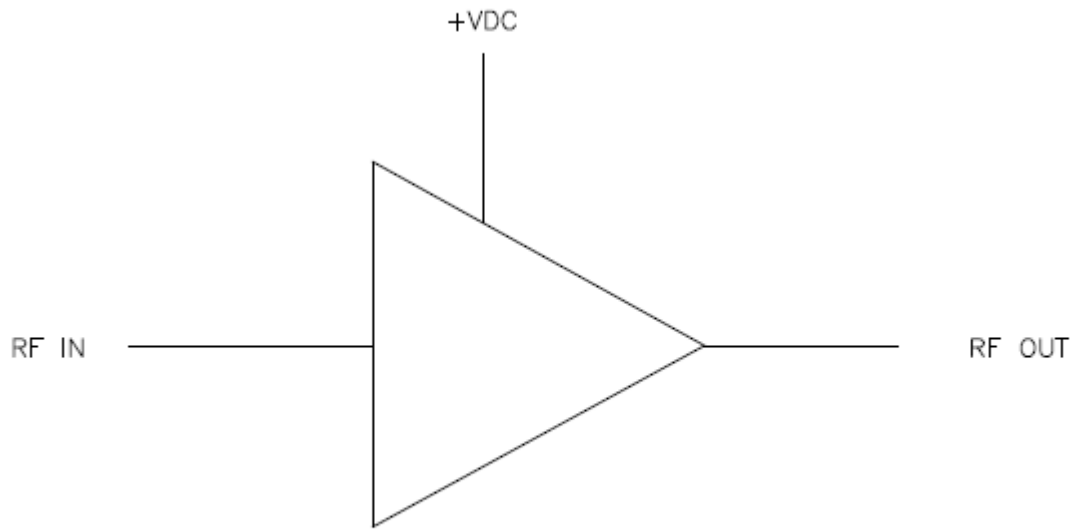
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		200	2500	MHz.
Gain	16	14.0		dB.
Gain Flatness	±0.2		±0.5	dB.
Gain Var.vs Temp.	±0.5		±1.0	ΔdB.
Pout @ 1dBComp.	+24	+22		dBm.
Noise Figure	5.0		6.0	dB.
IP ₃ /IP ₂ (two-tone)*	42/52	40/48		dBm.
HIP ₂ (2 nd har)	57			dBm
VSWR In	1.35:1		1.7:1	Ratio
VSWR Out	1.5:1		1.7:1	Ratio
Supply Req'd	+15/220		+15/270	v/mA.

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

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +20.0 dBm.
 Case Temperature +95°C

FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED