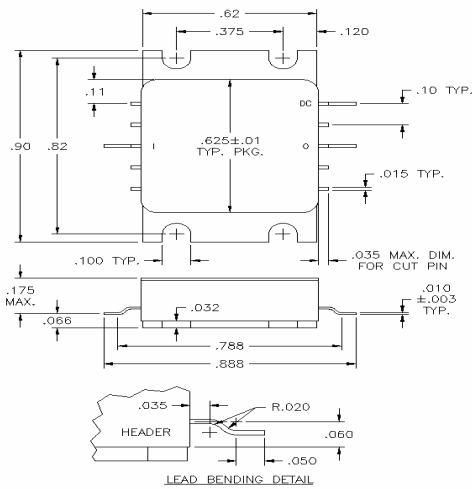
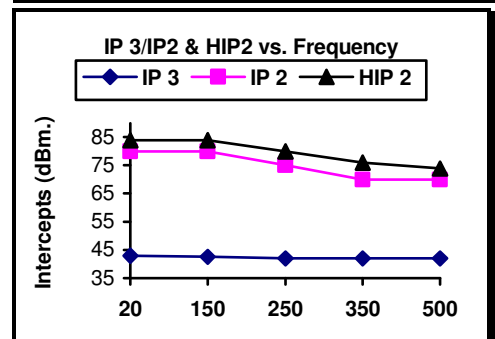
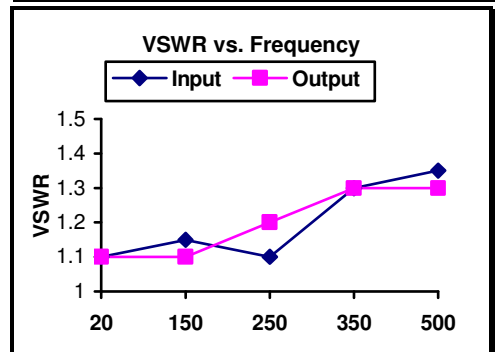
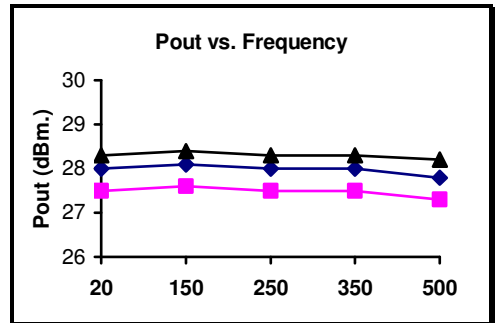
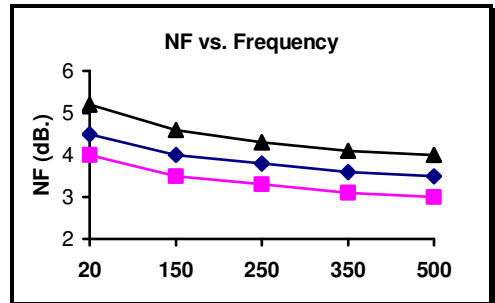
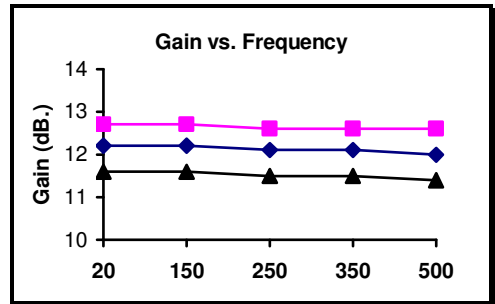


ASC400 20-500 MHz. Push Pull Amplifier



Typical Performance Curves

- ■ -55°C - ◆ -25°C - ▲ +85°C



Features: (typical values)

- Low Distortion
- High Second Order IP2+80.0 dBm.
- High Third Order IP3+42.0 dBm.
- Hermetic Package (Surface Mount available)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		20	500	MHz.
Gain	12	11.0		dB.
Gain Flatness	±0.3		±0.8	dB.
Gain Var. over temp.	0.7			ΔdB.
Pout @ 1dB. Comp.	+28	+25		dBm.
Noise Figure	4.5		6.0	dB.
Reverse Isolation	18.0			dB.
IP ₃ /IP ₂ (two-tone)*	42/80	38/60		dBm.
HIP ₂ (2 nd harm.)	85	65		dBm.
VSWR In/Out	1.35:1		1.5:1	
Supply Req'd	+15/230		+15/250	v/mA.

Min. and max. values are from -55°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 +15.0 dBm.
 Case Temperature +95°C