

PA1110

1800-2000 MHz.

Ultra Linear Power Amplifier



M/A-COM



Features (typical values)

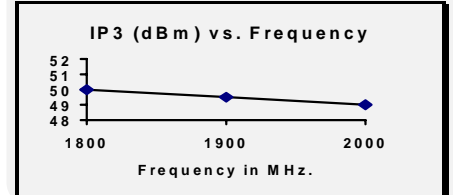
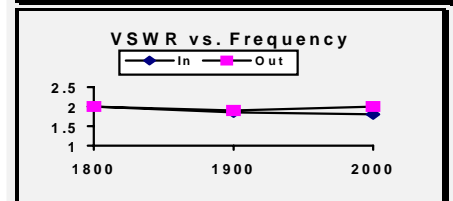
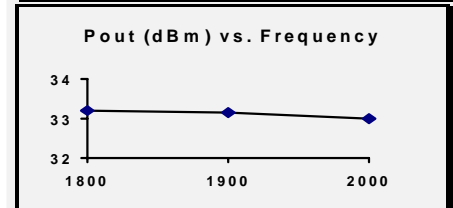
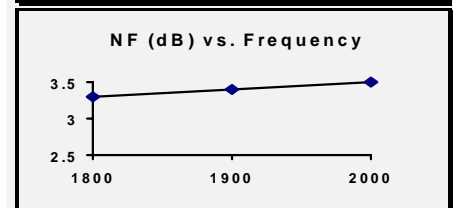
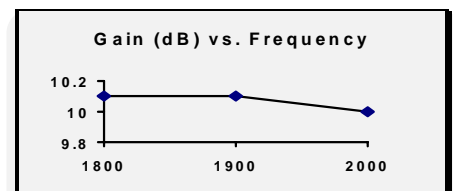
- High Output Power +33.0 dBm.
- High IP3 +50.0 dBm.
- Low NF 3.2 dB.
- Low Cost

Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1800	2000	MHz.
Gain	10.0	8.5		dB.
Gain Flatness	±0.3			dB.
Reverse Isolation	15			dB.
Pout @ 1dB. comp.	33.0	32.0		dBm.
Noise Figure	3.5		4.0	dB.
IP3 (two tone)	+50.0	+46.0		dBm.
VSWR (Input/Output)	2.0:1		2.5:1	
Supply Req'd	+10/725		+10/775	v./mA.

IP3 measured with 2 tones @+20dBm. per tone
Min and max values from 0 to 85 degrees C

Typical Performance @ 25C



Outline Drawings

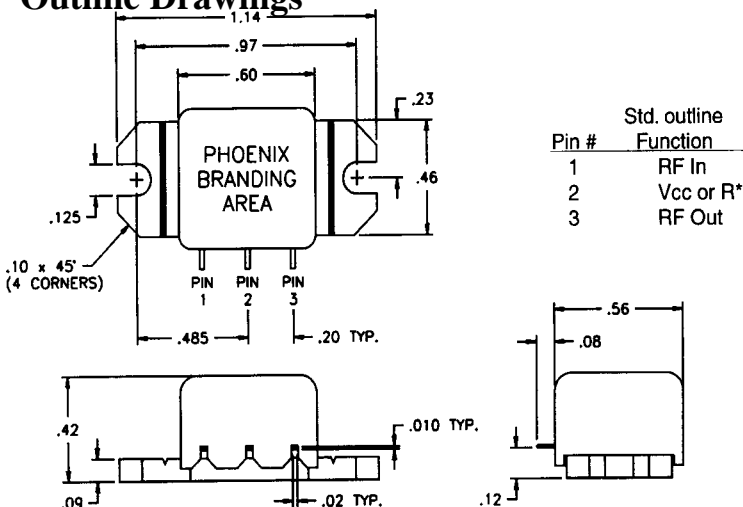


Figure 50

Maximum Ratings

- Storage Temperature -40°C to +85°C
- DC Voltage +12 volts
- RF Input Power +28 dBm.
- Case Temperature +95°C