

# PA1110 1800-2000 MHz.

## Ultra Linear Power Amplifier



**M/A-COM**



### Features (typical values)

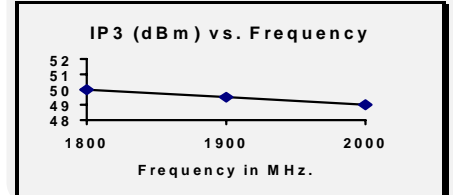
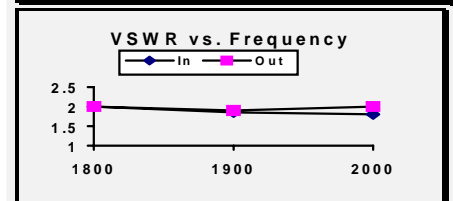
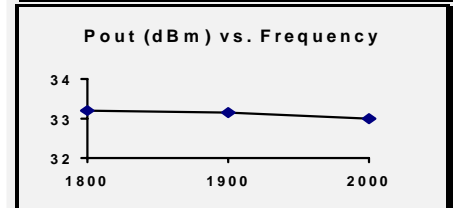
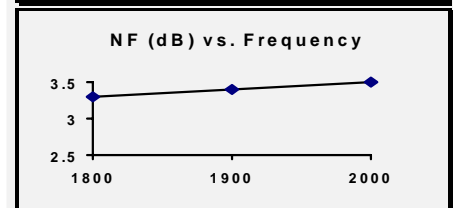
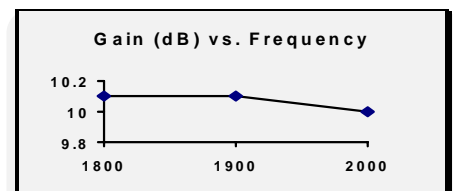
High Output Power ..... +33.0 dBm.  
 High IP3 ..... +50.0 dBm.  
 Low NF ..... 3.2 dB.  
 Low Cost

### 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



### Maximum Ratings

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

### Outline Drawings

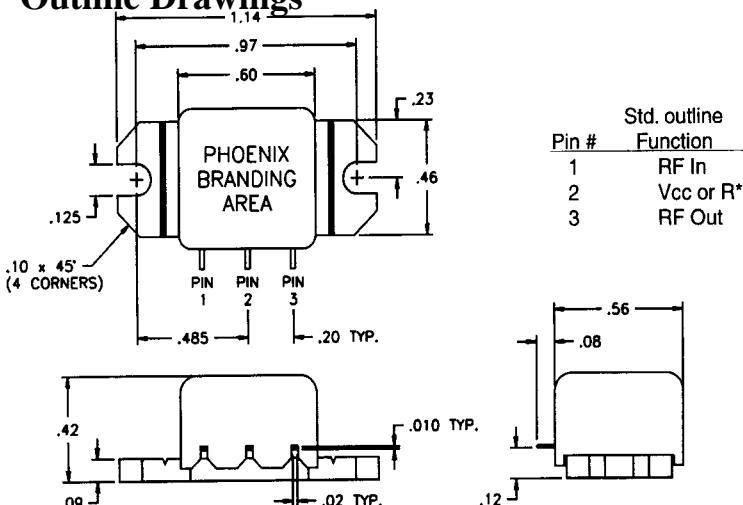


Figure 50