

**PA1163      1810-1870 MHz.    PCS**  
**4 Watt                      Ultra Linear Power Am-**



**Features (typical values)**

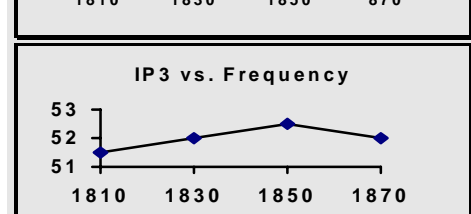
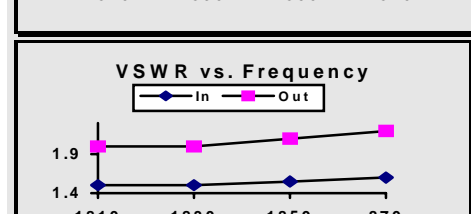
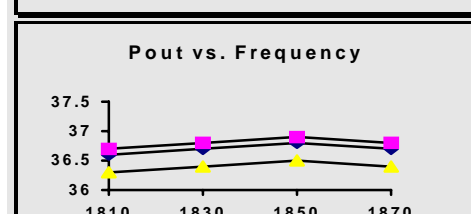
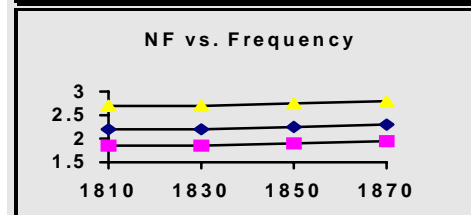
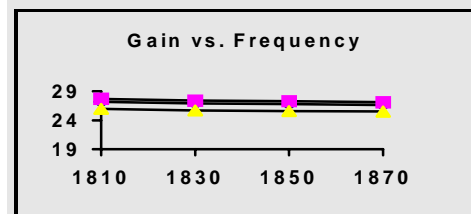
- High IP3** ..... +52.0 dBm.
- Low NF** ..... 2.4 dB.
- High Output Power** ..... +36.5 dBm.
- Low Cost**

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1810	1870	MHz.
Gain	27.0	25.5		dB.
Gain Flatness	±0.5			dB.
Reverse Isolation	45			dB.
Pout @ 1dB. comp.	36.5	36.0		dBm.
Noise Figure	2.4		3.5	dB.
IP3 (two tone)	+52.0	+50.0		dBm.
VSWR (Input/Out)	1.5:1/2:1		2.0:1/2.5:1	
Supply Req'd	+10/1350		+10/1500	v./mA.

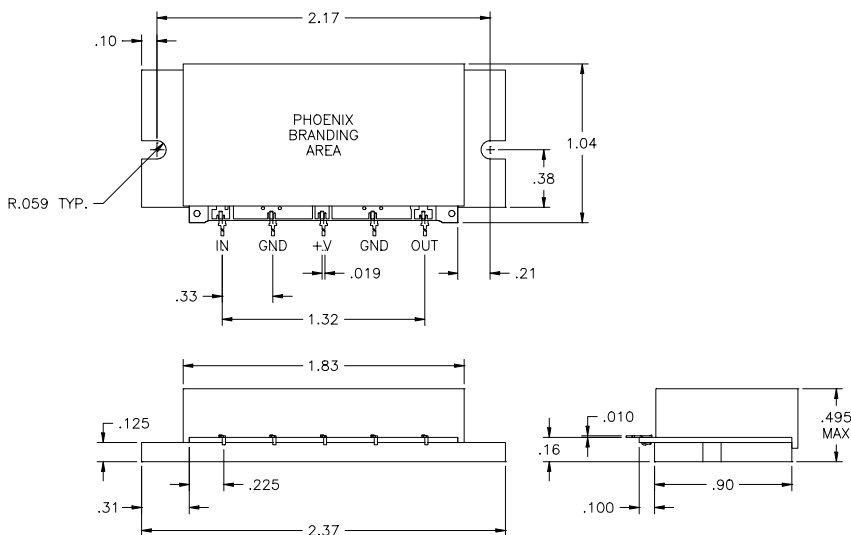
IP3 measured with 2 tones @+22dBm. per tone  
 Min and max values from 0 to 85 degrees C  
 CDMA data available

**Typical Performance @**

--◆-- +25°C    --■-- -40°C    --▲-- +85°C



**Outline Drawings**



**Maximum Ratings**

- Storage Temperature ..... -40°C to +125°C
- DC Voltage ..... +12 volts
- RF Input Power ..... +28 dBm.
- Case Temperature ..... +95°C