

PA1162

4 Watt

800-960 MHz.
Ultra Linear Power Amplifier

PHOENIX
MICROWAVE Corp.



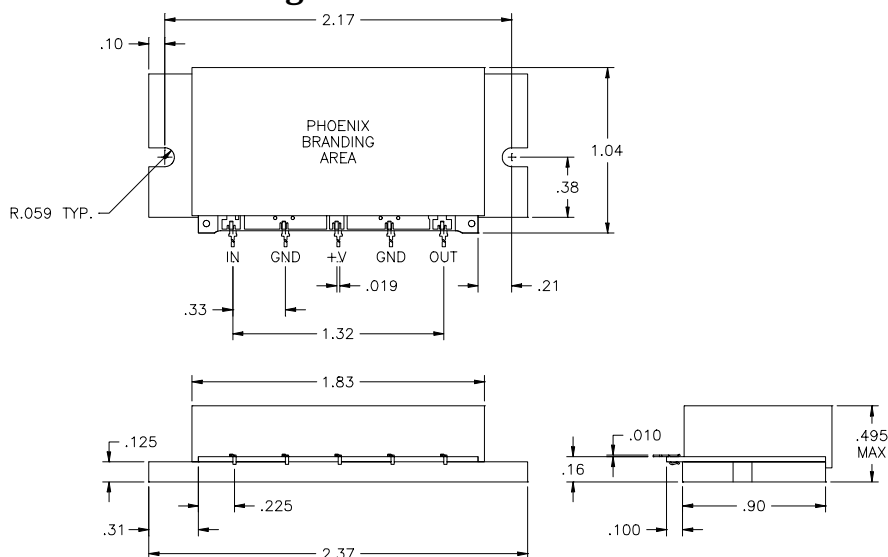
Features (typical values)

High IP3 +52.0 dBm.
Low NF 2.3 dB.
High Output Power +36.2 dBm.
Low Cost

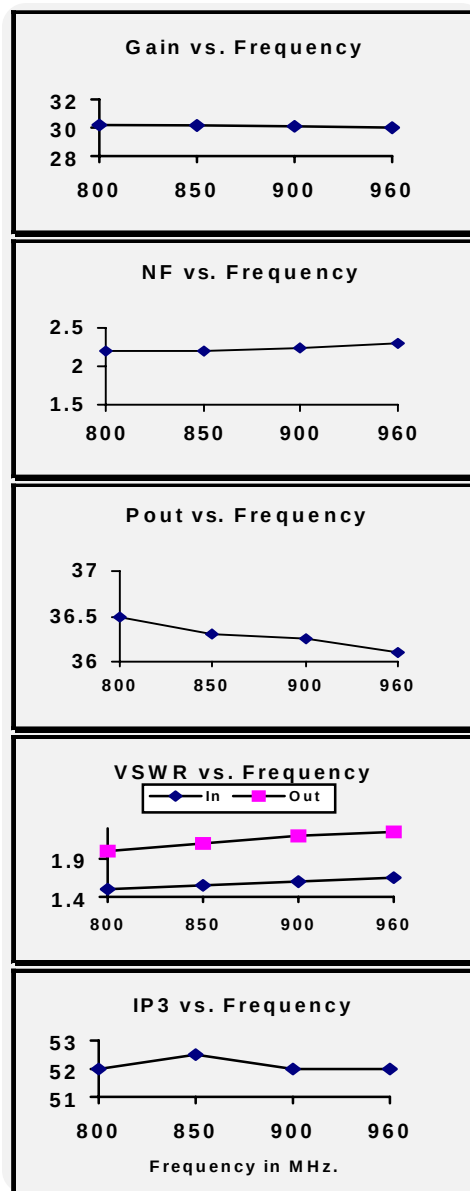
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		800	960	MHz.
Gain	30.0	28.0		dB.
Gain Flatness	-0.4		-1.0	dB.
Reverse Isolation	45			dB.
Pout @ 1dB. comp.	36.2	35.5		dBm.
Noise Figure	2.3		3.7	dB.
VSWR (Input/Output)	1.5:1/2:1		2:1/2.5:1	
IP3 (two tone)	+52.0	+50.0		dBm.
Supply Required	+10/1350		+10/1500	v./mA.

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

Outline Drawings



Typical Performance @ 25°C



Maximum Ratings

Storage Temperature -40°C to +125°C
DC Voltage +12 volts
RF Input Power +5 dBm.
Case Temperature +95°C