

PA1127

2300 -2400 MHz.

Linear Power Amplifier

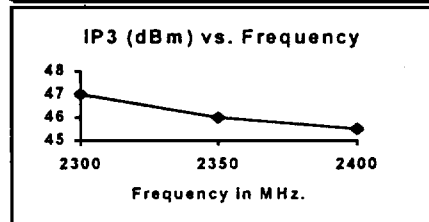
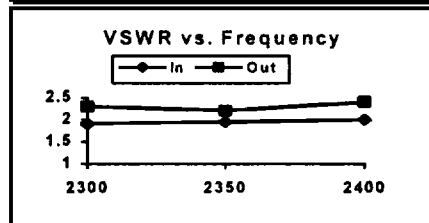
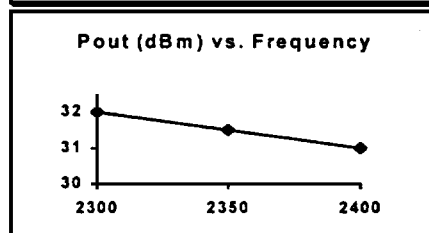
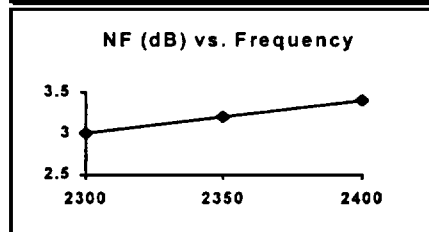
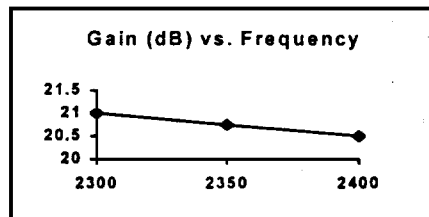
PHOENIX
MICROWAVE Corp.

Features (typical values)

High Frequency Operation. 2400 MHz.
High Output Power +32.0 dBm.
High IP3 46.0 dBm.
Low Cost



Typical Performance Curves

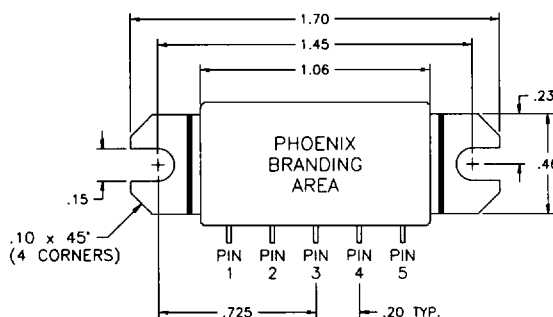


Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2300	2400	MHz
Gain	20.5	19.0		dB
Gain Flatness	±0.2			dB
Reverse Isolation	25			dB
Pout @ 1dB. comp.	32.5	31.0		dBm
Noise Figure	3.0		5.0	dB
IP3	+46.0	+44.0		dBm
VSWR (Input)	1.8:1		2.0:1	
VSWR (Output)	2.3:1		2.5:1	
Supply Req'd	+12/990		+12/1050	v./mA.

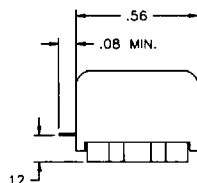
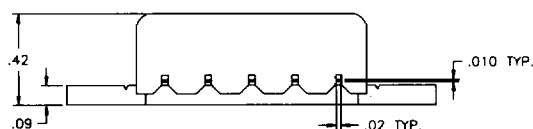
IP3 measured with 2 tones @+20dBm. per tone spaced 1 MHz. apart
Min and max values from 0 to 85 degrees C
A 1.2 ohm, 2 watt external Resistor is required from pin 4 to ground

Outline Drawings



PIN#	STD. OUTLINE FUNCTION
1	RF IN
2	GROUND
3	VCC OR R*
4	GROUND
5	RF OUT

*R IS DATA SHEET SPECIFIED RESISTORS TO VCC



Maximum Ratings

Storage Temperature -40C to +85C
DC Voltage +14 volts
RF Input Power +15 dBm.
Case Temperature +95C