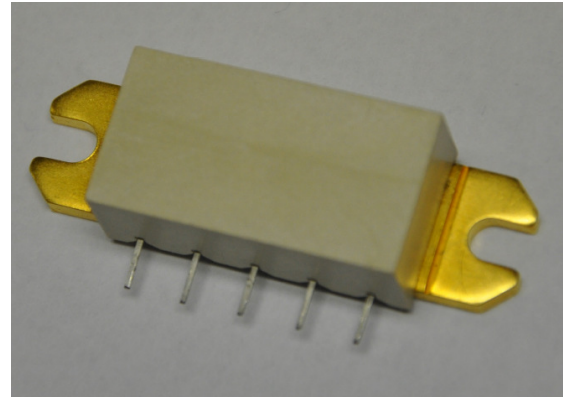


Features: (typical values)

- Ultra High Linearity
- Low Noise Figure
- Rugged Construction
- Operation over wide voltage range
- **Super Low Cost**
- Unconditional Stability
- No external component required

**20 – 1200 MHz
22dB Ultra Low Distortion
Amplifier**



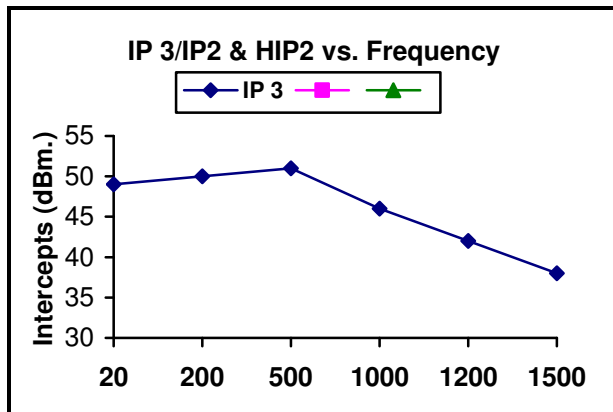
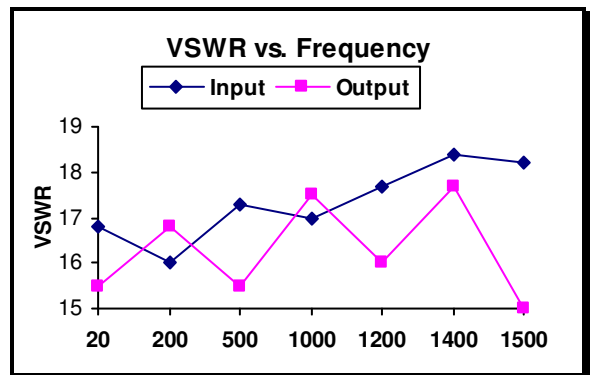
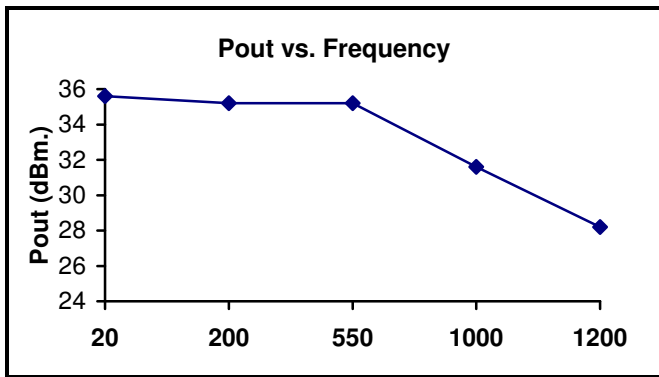
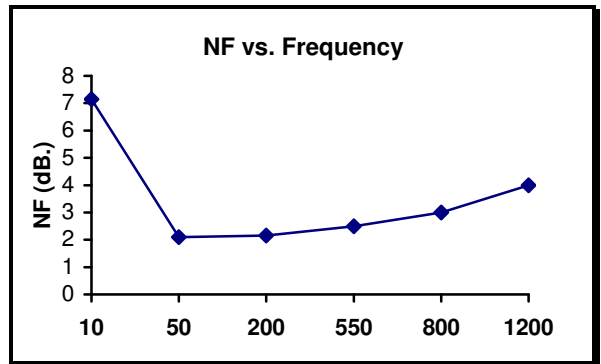
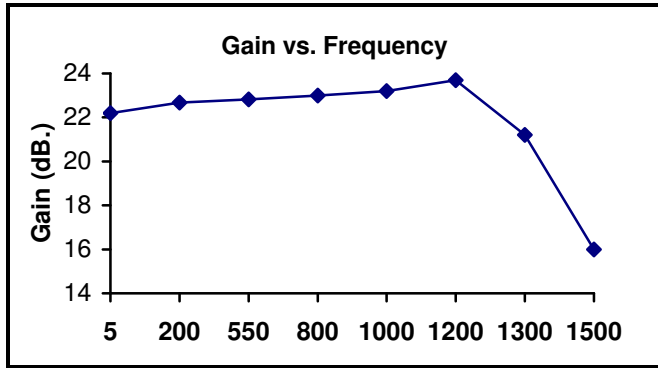
Maximum Ratings

Storage temperature -40°C to +100°C
 DC Operating Voltage +28.0 volts
 RF Input Voltage 40 dBmV max.
 Operating Base Temp. +100°C

Specifications @ Tcase = 30°C (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		20	1200	MHz.
Power Gain	22.0 dB	21.0	23.0	dB.
Gain Flatness	f = 20MHz. TO 1200MHz.		1.0	dB.
Input/Output VSWR			2.0 :1	dB.
IP3 2 tones @ +15dbm per tone	52dBm	49.0		dBm.
IP2 2 tones @ +15dbm per tone	80 dBm	70.0		dBm.
P1dB	+35	33		dbm
Noise Figure (NF)	2.3 dB		4.0	dB.
Total Current (I _{TOT})	+24V/400mA		440	mA.

Typical Performance Curves @ +25c



OUTLINE DRAWING

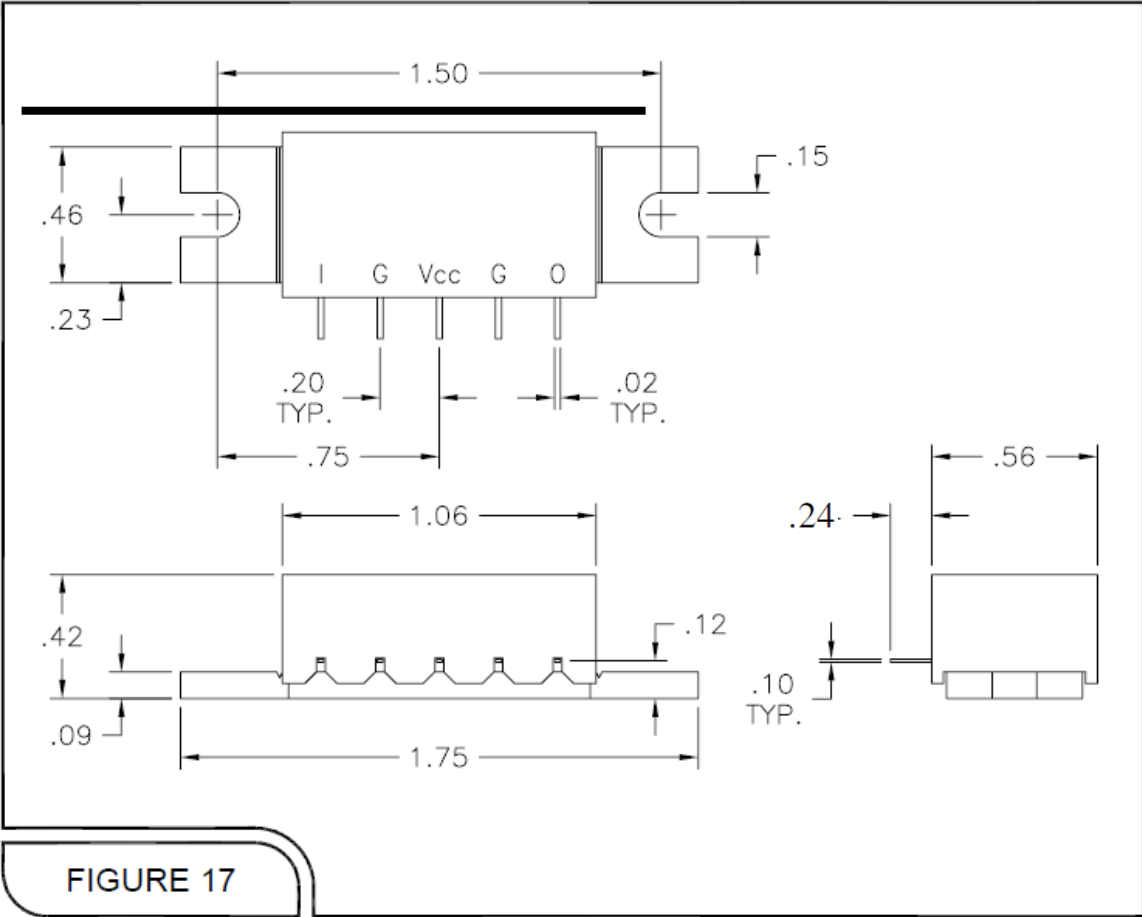


FIGURE 17

Pin Configuration

PIN#	Description
I	Input
G	Ground
Vcc	+24V.
O	Output