

Wide Band GaAs MMIC Amplifier

0.2 - 3.0 GHz

MAAM02350

V 2.00

Features

- 19 dB Typical Gain¹
- +14 dBm Typical Output Power
- 3.7 dB Typical Noise Figure¹

Electrical Specifications @ T_A = +25°C

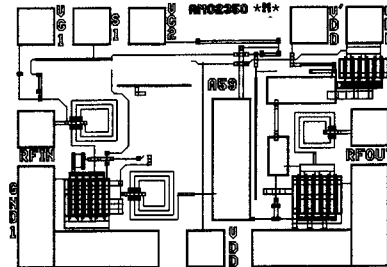
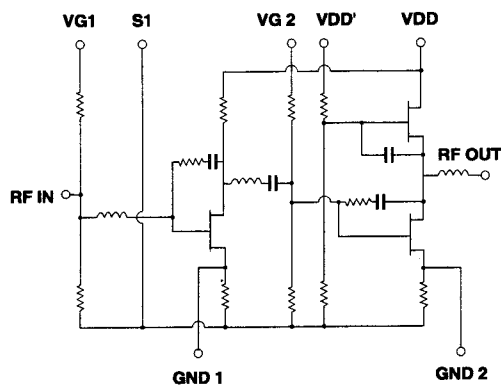
Frequency Range	0.2 – 3.0 GHz	
Gain ¹	19.0 dB Typ	17.0 dB Min
Gain Flatness	±0.5 dB Typ	
Noise Figure ¹	4.1 dB Max	3.7 dB Typ
VSWR ¹	Input	1.8:1 Typ
	Output	1.5:1 Typ
Output Power at 1 dB Gain Compression	+14 dBm Typ	
Third Order Intercept	+24 dBm Typ	
Reverse Isolation	+35 dB Typ	
Impedance	50 Ω Typ	
Bias Voltage	V _{dd} = +6 Vdc	
Bias Current	I _{dd} = 65mA Typ, 100mA Max	

Maximum Ratings

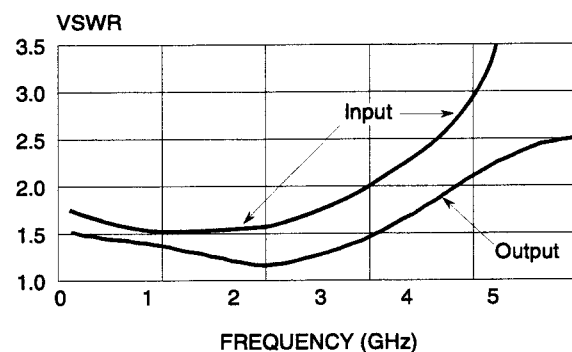
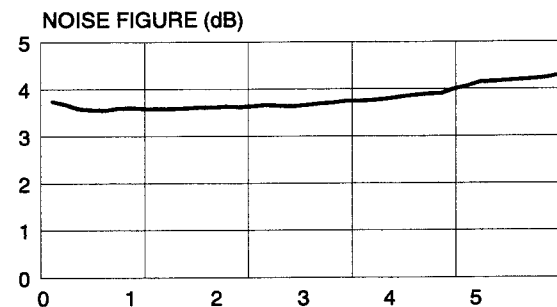
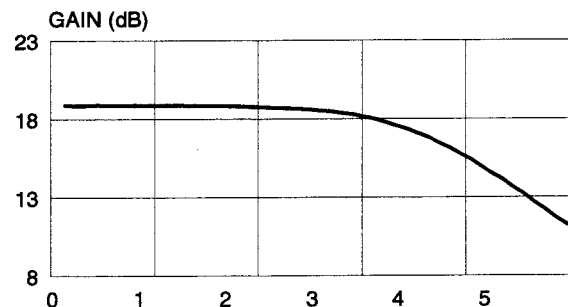
Voltage	+7 Volts
Input Power	+20 dBm
Storage Temperature	-65°C to +150°C
Operating Temperature	-55°C to +125°C

1. 100% on-wafer tested.

Schematic



Typical Performance



Specifications Subject to Change Without Notice.

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