

AGC Series

40-200MHz AGC Amplifier

Features

- Frequency Range: 40-200MHz
- AGC Range: 80dB
- P_{out}: -20dBm
- Suitable for CW and FSK/GMSK
- DC Power: 5V/25mA
- SMA Female Connector

Description

AGC-200 is a 40-200MHz Automatic Gain Control (AGC) Amplifier operates on a single power supply with 80dB AGC control range.

Picture



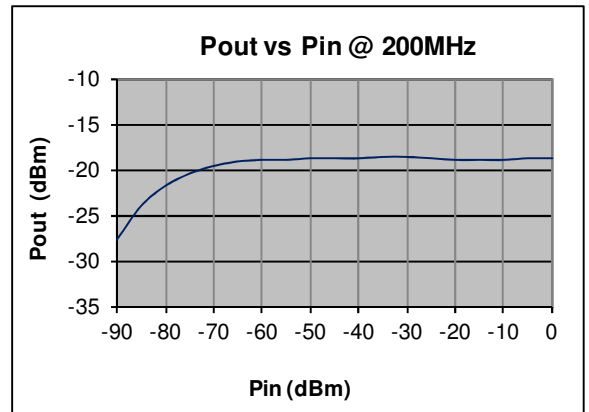
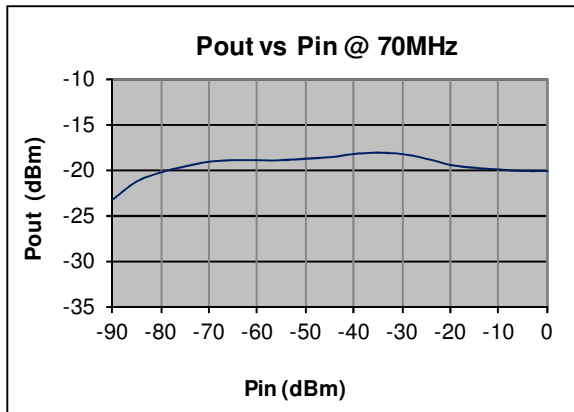
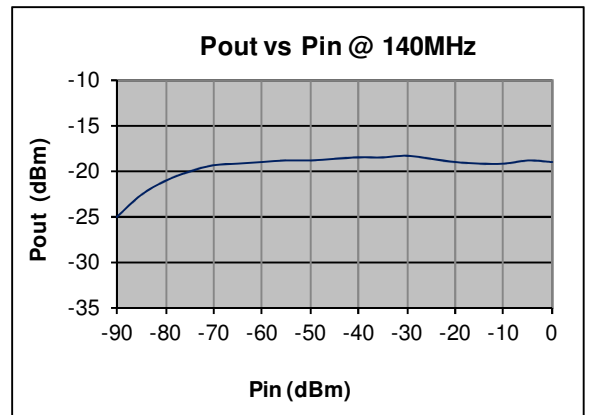
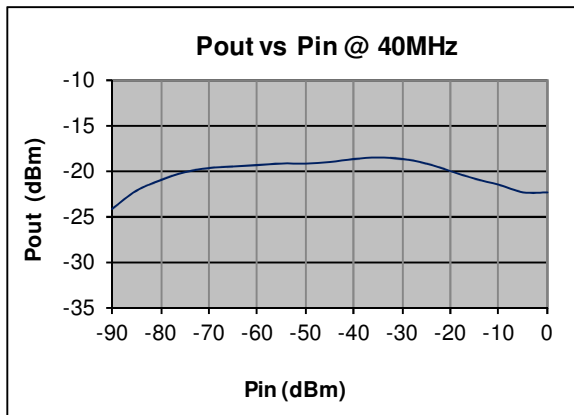
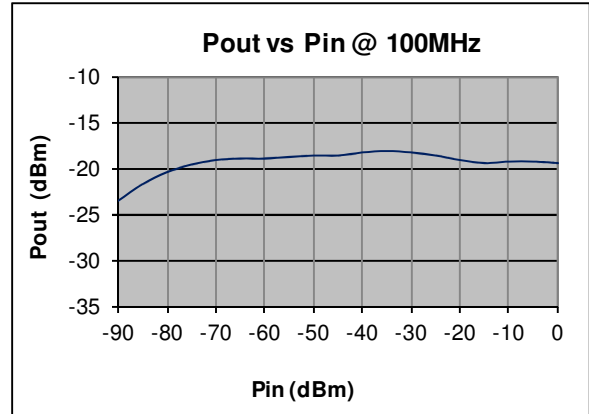
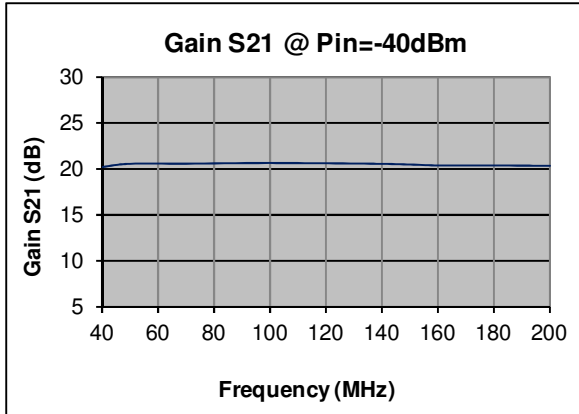
Electrical Specifications @ +25 °C, Z_{in}=Z_{out}= 50 Ω, V_{supply}=+5V

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	40		200
Maximum Gain	dB		60	
Minimum Gain	dB		-20	
Gain Flatness	dB		±0.5	
AGC Range	dB		80	
Fixed Output Power	dBm		-20	-17
Reverse Isolation S12	dB		-60	
Noise Figure, 50 Ohm System	dB		12	
AGC Response Time	μs		40	
Input VSWR S11			3.5:1	
Output VSWR S22			1.1:1	
DC Power Supply	V	4.5	5.0	5.5
Supply Current	mA		25	30

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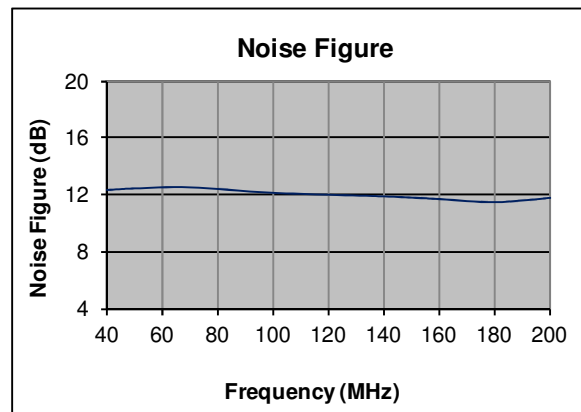
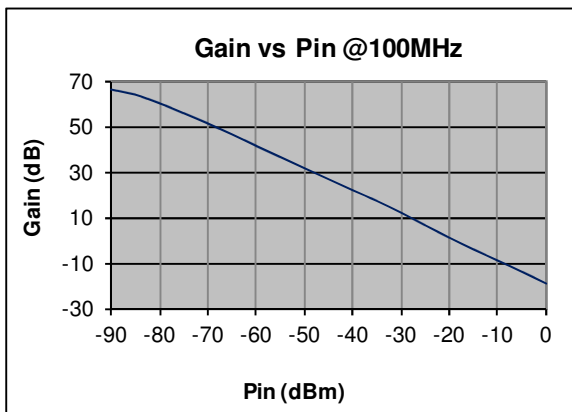
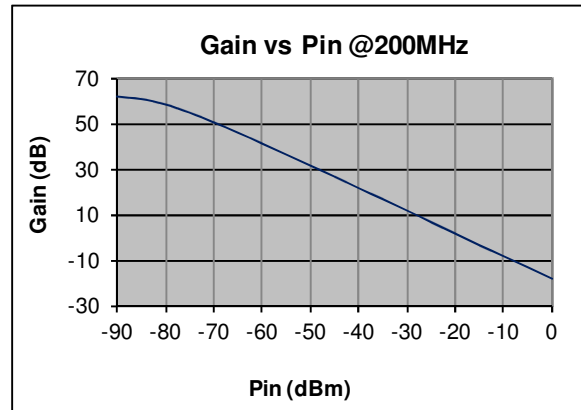
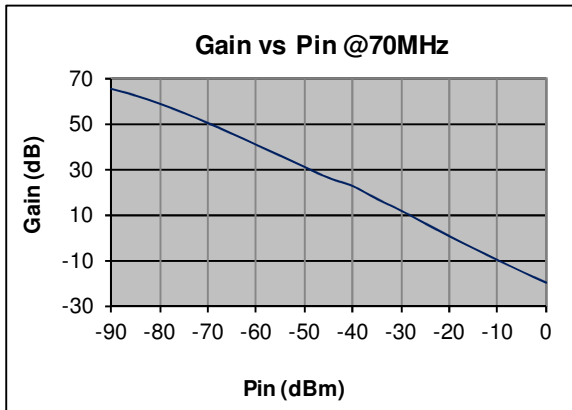
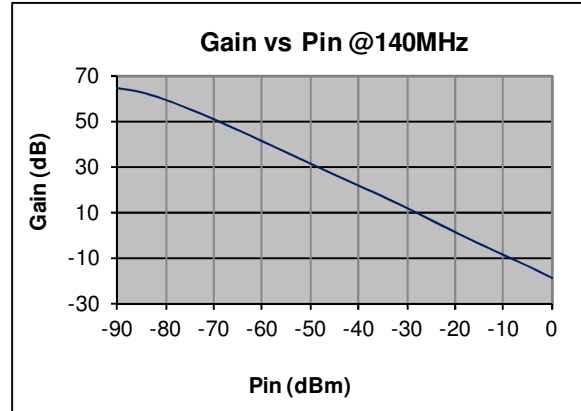
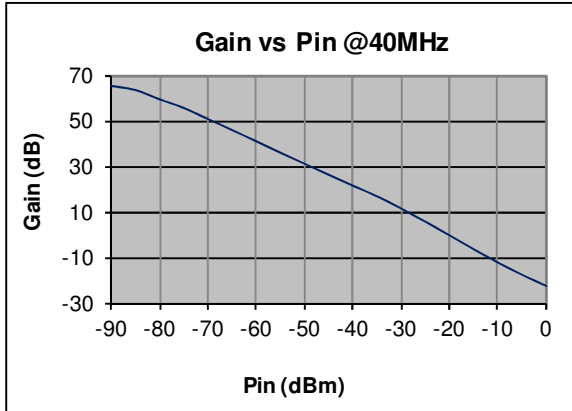
Typical Performance @ 25°C



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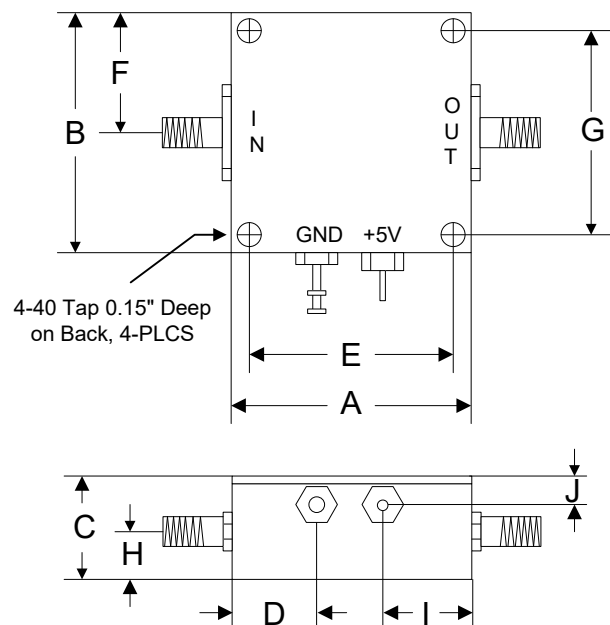
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Absolute Maximum Ratings

Parameter	Absolute Maximum
Supply Voltage	+6V
RF Input Power	+18dBm
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +125 °C

Outline



	A	B	C	D	E	F	G	H	I	J
Inch	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
mm	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76