

DESCRIPTION

AMCOM's AM0162011LN-P1 is a broadband Low Noise Amplifier module. It is designed for general purpose applications. It operates from 1600 MHz to 2000 MHz with Noise Figure of 1.1 dB and small signal gain of 18 dB. The module operates using a 6-24V supply and uses SMA connectors for input and output. This amplifier module is compact at 1.25" (L) x 1.25" (W) x 0.563" (H).



FEATURES

- Frequency Range: 1600-2000MHz
- Gain: 18dB
- P1dB: +14dBm
- IP3: +25dBm
- Noise Figure: 1.1dB
- DC Power: 6 - 24V
- SMA Connector

Performance measured @ 1800MHz

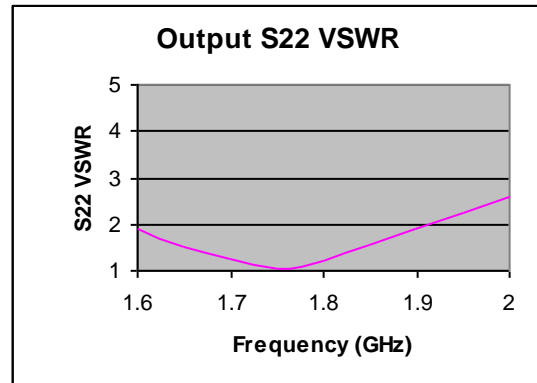
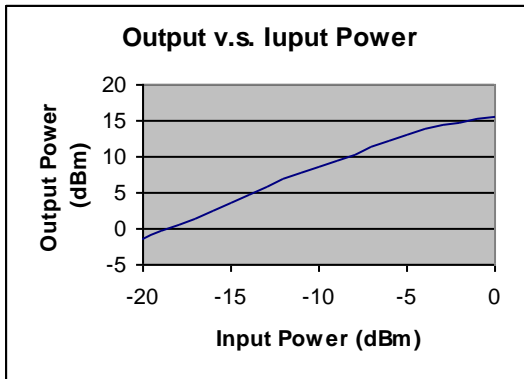
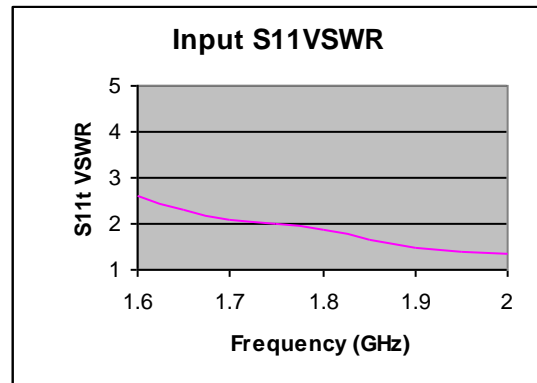
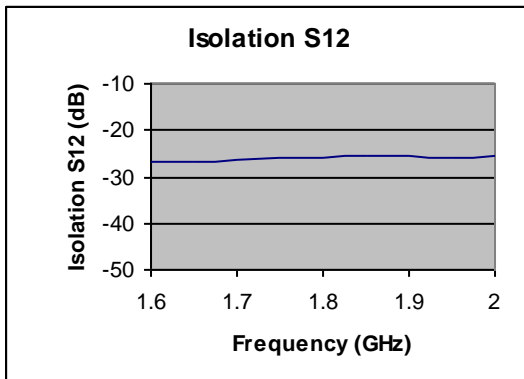
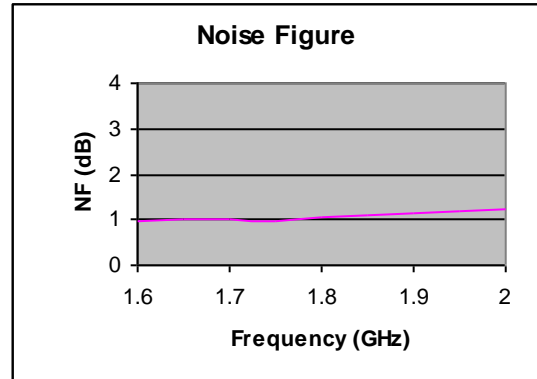
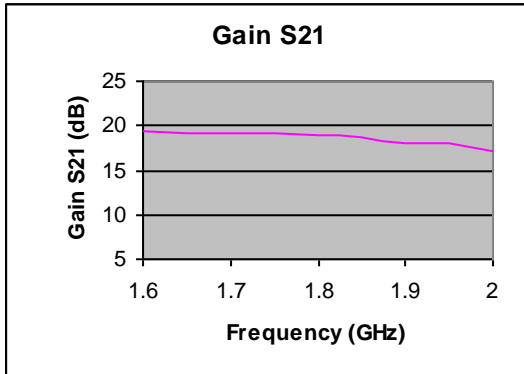
APPLICATIONS

- Wireless Infrastructure
- Military & Aerospace
- Test and Measurement

Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	1600		2000
Gain				
f = 1600MHz	dB		19	
f = 1800MHz	dB	16.5	18.5	
f = 2000MHz	dB		17	
P _{1dB}	dBm		+14	
IP3	dBm		+25	
Noise Figure	dB		1.1	1.3
Reverse Isolation	dB		-26	
VSWR				
f = 1800MHz				
Input VSWR			1.9:1	
Output VSWR			1.3:1	
DC Power Supply	V	6	12	24
Supply Current	mA		25	

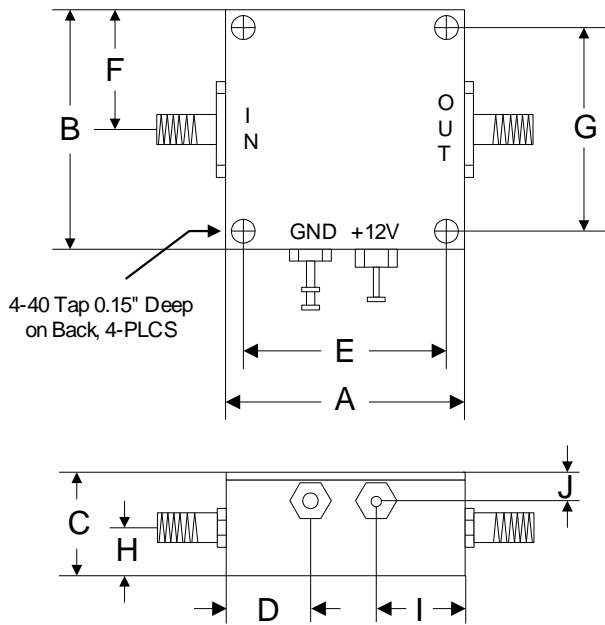
Typical Performance @ +25 °C



Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+15dBm
Supply Voltage	+25V
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