

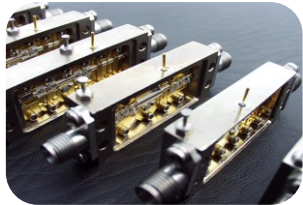
# Broadband Low Noise Amplifier

0.01-40 GHz Broadband

Low Noise Broadband



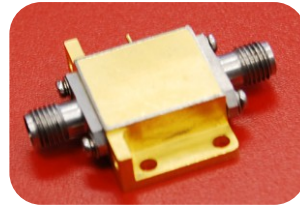
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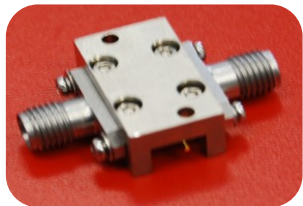
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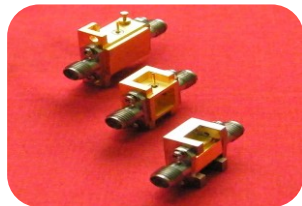
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**Broadband Low Noise Amplifier**

- Broadband 0.01-40GHz
- thin-film processing; Low Noise
- Operating Temp. : -55 ~ +85 °C
- Storage Temp. -65~+105 °C

## Broadband Low Noise Amplifier

The datasheet will be provide if you needed any products.

Model	Freq. Range	Gain	G Fla.	Noise	P-1	IP3	VSWR	Power Supply	Oper.Temp
	Fre ( GHz )	Min	Max	dB Max	dBm Min	dBm Min	Max	Type	°C
ID02080-19	0.002~8	16	±2	3.0	19	/	2	+12V / 350mA	-55~+85
ID2080-19	0.002~8	16	±2	3	19	/	2	+12V	-55~+85
ID1040-15	0.01-4	38	±2.5	2	15	/	2	12	-55~+85
ID5002-16	0.05-0.2	15	±1	3	16	/	1.5	12	-55~+85
ID5002-16	0.05-0.2	25	±1	3	16	/	1.5	12	-55~+85
ID5200-16	0.05-20	28	±2	3.0@10G	16	/	2	12	-55~+85
ID5400-12	0.05-40	30	±3.0	6	12	/	2.5	+12V / 150mA	-55~+85
ID5400-16	0.05-40	30	±3	5	16	/	3	12	-55~+85
ID005-10	0.1~0.5	30	±0.6	1.1	10	20	1.8	+12V / 120mA	-55~+85
ID1010-16	0.1-1	30	±2.5	4.5	16	/	2.5	12	-55~+85
ID1015-20	0.1-1.5	13	±1		20	/	2	12	-55~+85
ID1100-15	0.1-10	30	±2	4	15	/	2	12	-55~+85
ID01110-15	0.1-11	29	±2	4	15	/	2	12	-55~+85
ID01130-15	0.1-13	30	±2	3.5	15	/	2		-55~+85
ID1030-21	0.1-3	32	±2.5	2.5@2G	21	/	2	12	-55~+85
ID01030-15	0.1-3	33	±2	2.5	15	/	2	12	-55~+85
ID01030-21	0.1-3	35	±2	2.5	21	/	2	12	-55~+85
ID01060-20	0.1-6	38	±3	3.5	20	/	2.5	12	-55~+85
ID01008-28	0.16~0.87	22	±2	4	28	46	/	+12V / 800mA	-55~+85
ID01080-20	0.1-8	35	±2	3	20	/	2.5	12	-55~+85
ID02005-20	0.2-0.5	50	±2	2	20	/	1.5	12	-55~+85

## Broadband Low Noise Amplifier

Model	Freq. Range	Gain	G Fla.	Noise	P-1	IP3	VSWR	Power Supply	Oper.Temp
	Fre ( GHz )	Min	Max	dB Max	dBm Min	dBm Min	Max	Type	°C
ID02008-12	0.2-0.8	35	±1		12	/	2	12	-55~+85
ID03012-12	0.3-1.2	16	±1	0.8	12	/	2.5		-55~+85
ID04004-10	0.4-0.47	20	±0.5	0.8	10	/	2		-55~+85
ID05020-10	0.5~2	30	±1.5	0.8	10	20	2	+12V / 120mA	-55~+85
ID05020-10	0.5-2	29	±1.4	2.5	10	/	2	+12V/200mA	-55~+85
ID05200-18	0.5-20	25	±2.5	5	18	/	/	+12V	-55~+85
ID05030-7	0.5-3	45	±1	2	7	/	1.5	12	-55~+85
ID005060-5	0.5-6	30	±1.5	2.0	5	15	2	+12V/150mA	-55~+85
ID05060-23	0.5-6	31.5	±2.5	3	23	/	2.5	+15V/350mA	-55~+85
ID09013-10	0.96~1.3	30	±0.3	0.8	10	20	1.5	+5V / 100mA	-55~+85
ID011017-20	1.1-1.7	30	±1	1.2	20	/	1.5	12	-55~+85
ID12014-10	1.2~1.4	30	±0.3	0.5	10	20	1.5	+5V / 130mA	-55~+85
ID17027-10	1.7-2.7	30	±1.5	2	10	/	1.5	12	-55~+85
ID18019-5	1.8-1.9	30	±2.5	2.5	5	/	2	12	-55~+85
ID10180-14	1~18	33.7	±1.45	3.6	14	/	1.8	+12V / 260mA	-55~+85
ID10060-10	1~6	30	±1.5	1.2	10	20	2	+12V / 150mA	-55~+85
ID102180-10	10.25-18	50	±1.5	2.5	10	/	2.0	+12V	-55~+85
ID107127-15	10.7-12.75	25	±1.5	1.8	15	25	1.8	+12V / 170mA	-55~+85
ID01A05-10	100k-0.05	20	±1.5	3	10	/	1.5	12	-55~+85
ID01025-16	100k-2.5	30	±2.5	3.0@1GHz	16	/	2	12	-55~+85

## Broadband Low Noise Amplifier

The datasheet will be provide if you needed any products.

Model	Freq. Range	Gain	G Fla.	Noise	P-1	IP3	VSWR	Power Supply	Oper.Temp
	Fre ( GHz )	Min	Max	dB Max	dBm Min	dBm Min	Max	Type	°C
ID100127-10	10-12.7	50	±2	1.8	10	/	2	+12V	-55~+85
ID010180-14	1-18	30	±3	4.0@10G	14	/	2	12	-55~+85
ID010180-15	1-18	28	±2	3.5	15	/	2	12	-55~+85
ID10200-14	1-20	27	±3	2.5	14	/	2	12	-55~+85
ID140158-13	14-15.8	30	±1	2	13	/	2	12	-55~+85
ID10060-20	1-6	40	±2.5		20	/	2.5	12	-55~+85
ID175313-10	17.5-31.3	27	±2.5	2.8	10	/	2.5	12	-55~+85
ID170270-10	17-27	35	±3.0	5	10	/	2.5	+12V	-55~+85
ID170270-12	17-27	35	±3	3	12	/	2.5	12	-55~+85
ID170320-12	17-32	21	±3	3.5	12	/	2.5	12	-55~+85
ID180260-4	18~26	40	±1.5	2.5	3	12	2	+5V /70mA	-55~+85
ID180265-10	18~26.5	30	±1.8	2.8	10	20	2	+12V / 150mA	-55~+85
ID180250-17	18-25	28	±2.5	2.5	17	/	2.5	12	-55~+85
ID180260-17	18-26	25	±2.5	2.5	17	/	2.5	12	-55~+85
ID180400-10	18-40	30	±3.0	6	10	/	2.5	+12V / 150mA	-55~+85
ID021024-8	2.1-2.4	35	±0.5	1.4	8	/	1.6	+12V	-55~+85
ID22026-10	2.2~2.6	30	±0.4	0.5	10	20	1.6	+5V / 130mA	-55~+85
ID23026-10	2.3-2.6	30	±1.5	1.5	10	15	2	+12V	-55~+85
ID23026-10A	2.3-2.6	40	±2.5	2.5	10	30	2	+12V	-55~+85
ID23026-20	2.3-2.6	40	±2.5	2.5	20	20	2	+12V	-55~+85

## Broadband Low Noise Amplifier

The datasheet will be provide if you needed any products.

Model	Freq. Range	Gain	G Fla.	Noise	P-1	IP3	VSWR	Power Supply	Oper.Temp
	Fre ( GHz )	Min	Max	dB Max	dBm Min	dBm Min	Max	Type	°C
ID23090-10	2.3-9.0	30	±2.0	2.5	10	20	2.5	+12V	-55~+85
ID27035-20	2.7~3.5	30	±0.5	0.6	10	20	1.5	+5V / 130mA	-55~+85
ID20180-10	2~18	30	±1.8	2.8	10	20	2	+12V / 120mA	-55~+85
ID20040-10	2~4	35	±1.5	0.7	10	20	2	+12V / 150mA	-55~+85
ID20080-10	2~8	30	±1.5	1.5	10	20	2	+12V / 150mA	-55~+85
ID210230-10	21~23	30	±0.8	2.2	10	20	1.8	+5V / 130mA	-55~+85
ID20100-17	2-10	30	±2	2.5	17	/	2	12	-55~+85
ID20021-5	2-2.1	30	±0.5	2.5	5	/	1.5	12	-55~+85
ID20040-16	2-4	20	±2.5	2.2	16	/	2	12	-55~+85
ID240300-5	24-30	19	±2	3.5	5	/	/	+12V	-55~+85
ID240300-5	24-30	19	±2	3.5	5	/	2	+12V	-55~+85
ID250270-10	25~27	30	±0.8	2.5	10	20	1.8	+5V / 130mA	-55~+85
ID20060-20	2-6	42	±2	3	20	/	2	12	-55~+85
ID20060-20	2-6	32	±1	2.8	20	/	2		-55~+85
ID260400-20	26~40	40	±2.0	3.0	20	-5	2	+5V / 300mA	-55~+85
ID260400-15	26-40	25	±2.5	3.5	15	/	2.5	+15V / 150mA	-55~+85
ID260400-17	26-40	25	±2.5	2.5	17	/	2.5	12	-55~+85
ID033049-10	3.3-4.9	50	±1.5	2.5	10	/	1.8	+12V	-55~+85
ID34048-15	3.4-4.8	25	±1.5	1.4	15	25	1.7	+12V / 170mA	-55~+85
ID37045-20	3.7-4.5	31	±2	1.4	20	/	2.5	12	-55~+85

## Broadband Low Noise Amplifier

The datasheet will be provide if you needed any products.

Model	Freq. Range	Gain	G Fla.	Noise	P-1	IP3	VSWR	Power Supply	Oper.Temp
	Fre ( GHz )	Min	Max	dB Max	dBm Min	dBm Min	Max	Type	°C
ID30130-10	3-13	15	±1	3.5	+10	/	2	+12V	-55~+85
ID43047-10	4.3-4.7	50	±2	1.6	10	/	2	+12V	-55~+85
ID40120-10	4~12	30	±1.6	1.6	10	20	2	+12V / 150mA	-55~+85
ID40080-10	4~8	30	±1.5	1.2	10	20	2	+12V / 150mA	-55~+85
ID52059-10	5.2~5.9	30	±0.5	1.0	10	20	1.5	+5V / 130mA	-55~+85
ID5A08-10	5k-0.08	13	±2	5	10	/	2	12	-55~+85
ID60120-10	6~12	30	±1.5	1.5	10	20	2	+12V / 120mA	-55~+85
ID60180-10	6~18	30	±1.5	1.8	10	20	2	+12V / 120mA	-55~+85
ID60120-13	6-12	36	±2.5	2.2	13	/	1.5	12	-55~+85
ID60079-20	6-7.9	42	±1	2	20	/		12	-55~+85
ID70100-10	7.05-10	50	±1.5	2.5	10	/	1.8	+12V	-55~+85
ID72078-10	7.2~7.8	30	±0.5	1.1	10	20	1.8	+5V / 150mA	-55~+85
ID85096-10	8.5~9.6	30	±0.4	0.9	3	13	1.8	+5V / 30mA	-55~+85
ID80120-10	8~12	32	±1.5	1.3	10	/	2	+12V	-55~+85
ID80120-10	8-12	30	±1.5	1.3	10	18	2	+10V / 150mA	-55~+85
ID80160-13	8-16	35	±2.5	2.2@12G	13	/	2.5	12	-55~+85
ID96105-10	9.6~10.5	30	±0.4	0.9	3	13	1.8	+5V / 30mA	-55~+85

# Broadband Low Noise Amplifier

## Low Noise Amplifier (Millimeter-wave)

Model: 175313-10

### Low Noise Amplifier



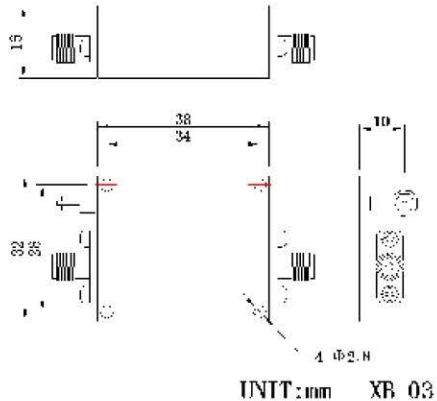
#### Features

1. Input power exceeding 20dBm may cause permanent damage.
2. Operating voltage : +12V or +5V .
3. These devices sensitive to electrostatic discharge (ESD) and can be damaged by static electricity. Proper ESD control techniques should be used when handling these devices.

### Elec. Spec. "50Ω"

Freq. Range (GHz)	17.5-31.3
NF. (dB) Max	2.8
Gain (dB) Min	27
Gain Fla. (dB) Max	±2.5
P-1 (dBm) Min	10
IP3 (dBm) Min	/
VSWR Max	2.5
Power Supply (Typ)	12
Connectors	SMA-Female
Oper. Temp. (°C)	-40~+70
Stor. Temp.(°C)	-55~+85

#### Outline Drawing Unit: mm



## Low Noise Amplifier (Millimeter-wave)

Model: 102180-10

### Low Noise Amplifier



#### Features

1. Input power exceeding 20dBm may cause permanent damage.
2. Operating voltage : +12V or +5V .
3. These devices sensitive to electrostatic discharge (ESD) and can be damaged by static electricity. Proper ESD control techniques should be used when handling these devices.

### Elec. Spec. "50Ω"

Frequency (GHz)	10.25-18
Noise Figure (dB)	2.5
Gain (dB)	50
Gain Flatness (dB)	±1.5
Power @ 1dB (dBm)	10
IP3 (dBm)	/
VSWR	2.0
Power Supply	+12V
Connectors	SMA-Female
Operating Temp. (°C)	-20~+70
Storage Temp.(°C)	-55~+85

#### Outline Drawing Unit: mm

