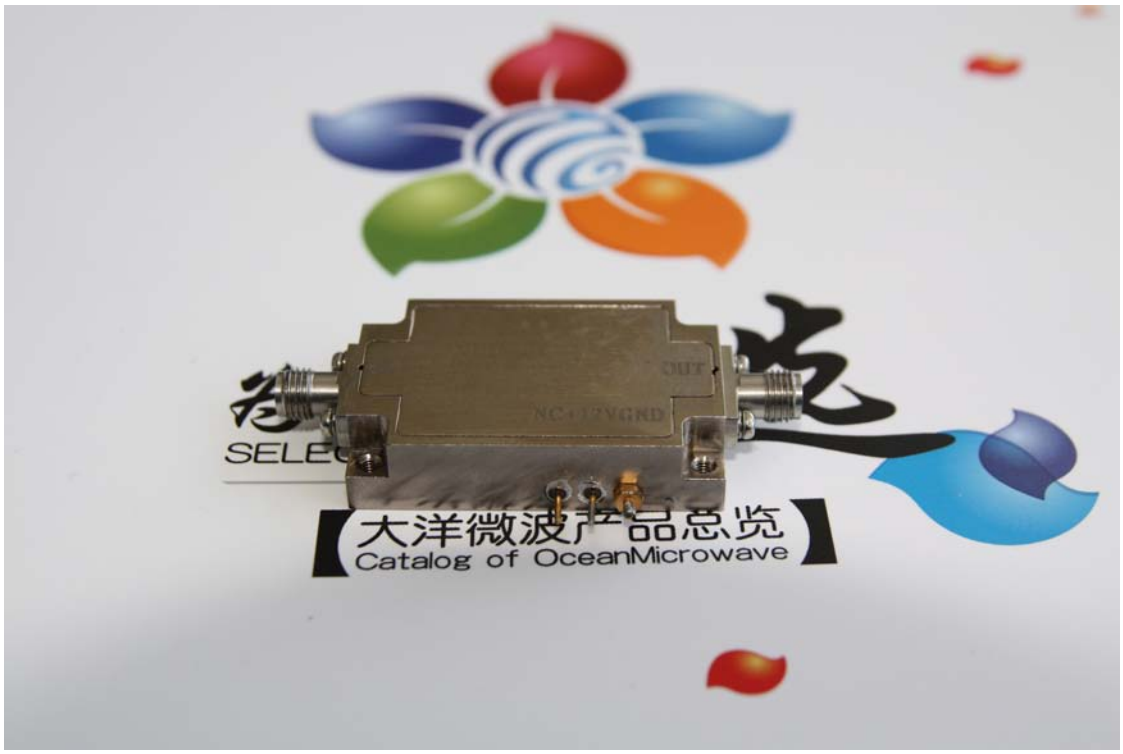
Amplifier

Broadband
1-18GHz or other
Customizable
Gain, Noise Figure, Power
The most suitable scheme for you
High Efficiency
Short Delivery Cycle



Customized Information

OA-_ _ . _ _ _ - _ _ . _ _ _ - _ _ _ - _ _ - _ _ _
Start Freq. - Stop Freq.- Gain - N.F. - Output power

E-LNA Series Amplifier

0.5~18GHz Broadband Low Noise Amplifier

Broadband

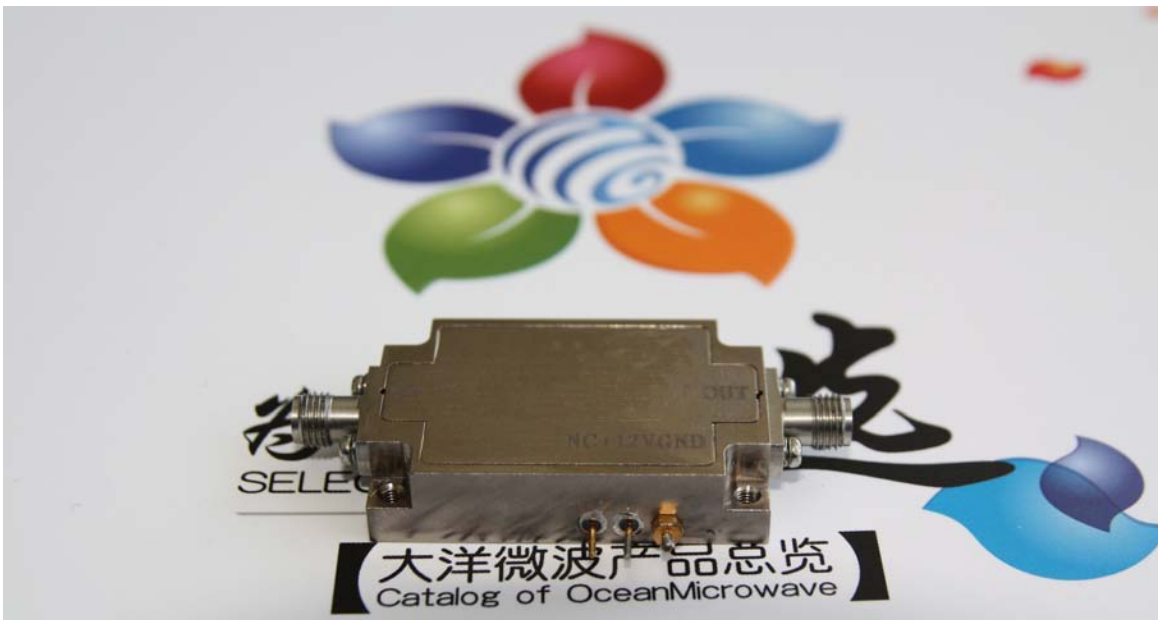
0.5~18GHz Broadband Range

50 Ohms Input and Output Matched.

-55℃~+85℃ Operating Temperature Suitable for Hash Environment.

Modularized and Standardized Design for Easy Fine-tuning

Parameter	Minimum	Typical	Maximum
Frequency(GHz)	0.5		18
Noise Figure(dB)	2.0	2.5	3.0
Small Signal Gain(dB)	23	25	27
Flatness In Band(dB)		±2	±2.5
Output P1dB(dBm)	10	12	
Input VSWR(Ratio)		2	2.5
Output VSWR(Ratio)		2	2.5
Operating DC Voltage(V)	+4.7	+5.0	+5.3
Operating DC Current(mA)		130	
Temperature Range(℃)	-55		+85



2~6GHz Broadband Low Noise Amplifier

Broadband Hash Environment

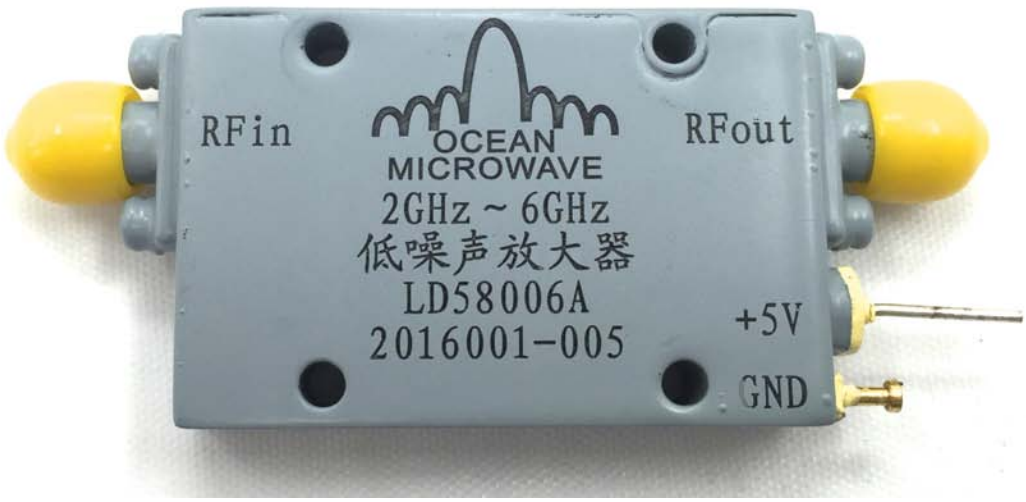
2~6GHz Broadband Range

50 Ohms Input and Output Matched.

-55℃~+85℃ Operating Temperature Suitable for Hash Environment.

Modularized and Standardized Design for Easy Fine-tuning

Parameter	Minimum	Typical	Maximum
Frequency(GHz)	2		6
Noise Figure(dB)	0.9	1.2	1.5
Small Signal Gain(dB)	40	42	44
Flatness In Band(dB)		±1	±1.5
Output P1dB(dBm)	11	13	
Input VSWR(Ratio)		1.5	2
Output VSWR(Ratio)		1.5	2
Operating DC Voltage(V)	+4.7	+5.0	+5.3
Operating DC Current(mA)		120	
Temperature Range(℃)	-55		+85



2~18GHz Broadband Low Noise Amplifier

Broadband Hash Environment

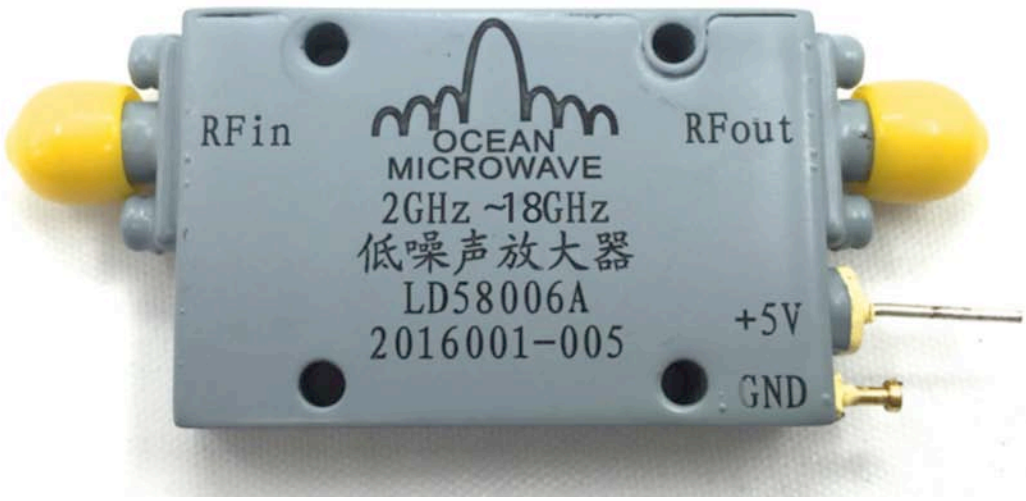
2~18GHz Broadband Range

50 Ohms Input and Output Matched.

-55℃~+85℃ Operating Temperature Suitable for Hash Environment.

Modularized and Standardized Design for Easy Fine-tuning

Parameter	Minimum	Typical	Maximum
Frequency(GHz)	2		18
Noise Figure(dB)	3	3.5	4.5
Small Signal Gain(dB)	40	42	44
Flatness In Band(dB)		±2	±2.5
Output P1dB(dBm)	15	17	
Input VSWR(Ratio)		1.5	2
Output VSWR(Ratio)		1.5	2
Operating DC Voltage(V)	+4.7	+5.0	+5.3
Operating DC Current(mA)		250	
Temperature Range(℃)	-55		+85



EC MICROWAVE

2~18GHz Broadband Mid-Power Amplifier

Broadband Hash Environment

2~18GHz Broadband Range

50 Ohms Input and Output Matched.

-55℃~+85℃ Operating Temperature Suitable for Hash Environment

Modularized and Standardized Design for Easy Fine-tuning

Parameter	Minimum	Typical	Maximum
Frequency(GHz)	2		18
Noise Figure(dB)	4	4.5	5
Small Signal Gain(dB)	20	22	24
Flatness In Band(dB)		±1	±1.5
Output P1dB(dBm)	29	30	
Input VSWR(Ratio)		1.5	2
Output VSWR(Ratio)		1.5	2
Operating DC Voltage(V)	+4.7	+5.0	+5.3
Operating DC Current(mA)		400	
Temperature Range(℃)	-55		+85

EC MICROWAVE

10MHz Low Phase Noise Distribution Amplifier

Extremely Low Phase Noise
Excellent Harmonic and Spurious Restraint

Extremely Low Phase Noise

Excellent Harmonic and Spurious Restraint

Broad Temperature Range: -40℃~+70℃

Integration of Light and Electricity, Suitable for Long Distant Transmission.

Parameter	Minimum	Typical	Maximum
Frequency(MHz)		10	
Phase Figure(dBc/Hz@1kHz)	-145	-140	-136
Input Power Level(dBm)	-70		10
Output Power Level(dBm)		20	21
Harmonic Restraint(dBc)		45	47
Input VSWR(Ratio)			1.5
Output VSWR(Ratio)			1.5
Operating DC Voltage(V)	+11.5	+12	+12.5
Operating DC Current(mA)		200	
Temperature Range(℃)	-40		+70