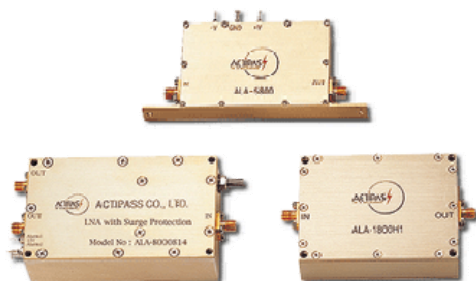


Low Noise Amplifier (LNA)



Description

- LOW NOISE FIGURE
- BALANCED TYPE
- HIGH GAIN

The ALA series is specially designed for high reliability, performance and cost effective solution for RF & microwave applications.

All units are tested and guaranteed stability over the full industry temperature ranges. These can be customized to meet your requirements and available optional alarm including monitors.

We are convinced that if you choose ALA series, you can improve your system performance. These are suitable to cellular, PCS, WLL, IMT-2000, GSM, ISM and radar system.

Specifications

Model No.	ALA - 800	ALA - 900G2440	ALA - 1800	ALA - 1800H1
Frequency Range[MHz]	824 ~ 849	890 ~ 915	1710 ~ 1780	1750 ~ 1760
Noise Figure[dB]	1.0	1.0	1.2	1.2
Gain[dB]	40	40	40	38
Gain Flatness[dB]	0.5max.	0.5max.	0.5max.	1.0max.
Gain Variation[dB]	1.0max.	1.0max.	1.0max.	1.0max.
P1dB[dBm]	24min.	24min.	24min.	25min.
OIP3[dBm]	37min.	37min.	37min.	35min.
Return Loss[dB]	20min.	18min.	20min.	20min.
DC Power[Vdc / mA]	12 / 500	12 / 500	12 / 500	12 / 500
Connector	SMA(F)	SMA(F)	SMA(F)	SMA(F)
Alarm Indication	Open Collector	TTL	Open Collector	TTL
Operating Temperature[°C]	-30 ~ +50	-30 ~ +50	-30 ~ +50	-20 ~ +65
Size(WxLxH) , [mm(inch)]	86x61x20 (3.39x2.40x0.79)	86x61x20 (3.39x2.40x0.79)	86x61x20 (3.39x2.40x0.79)	83x62x21 (3.27x2.44x0.83)

Model No.	ALA - 1800H2	ALA - 2400	ALA - 5500	ALA - 9000
Frequency Range[MHz]	1850 ~ 1910	2300 ~ 2330	5500 ~ 5900	9000 ~ 9500
Noise Figure[dB]	1.2	1.2	1.2	1.2
Gain[dB]	38	40	10	10
Gain Flatness[dB]	1.0max.	0.5max.	0.5max.	0.5max.
Gain Variation[dB]	1.0max.	1.0max.	1.0max.	1.0max.
P1dB[dBm]	25min.	24min.	10min.	10min.
OIP3[dBm]	35min.	37min.	20min.	20min.
Return Loss[dB]	20min.	20min.	14min.	14min.
DC Power[Vdc / mA]	12 / 500	12 / 500	12 / 100	12 / 100
Connector	SMA(F)	SMA(F)	SMA(F)	SMA(F)
Alarm Indication	TTL	Open Collector	TTL	Open Collector

Actipass Co., Ltd.

451, Hagal-Dong, Giheung-Gu, Yongin-Si, Kyunggi-Do, Korea

TEL : 82-31-201-7589 FAX : 82-31-204-7502

E-Mail : steve@actipass.com / actipass@actipass.com www.actipass.com

Operating Temperature[°C]	-20 ~ +65	-30 ~ +50	-30 ~ +50	-30 ~ +50
Size(WxLxH) , [mm(inch)]	83x62x21 (3.27x2.44x0.83)	86x61x20 (3.39x2.40x0.79)	70x40x20 (2.76x1.57x0.79)	30x30x15 (1.18x1.18x0.59)

Model No.	ALA-800S-26	ALA-800D-26	ALA-1950D-40
Frequency Range[MHz]	824 ~ 849	824 ~ 849	1920 ~ 1980
Noise Figure[dB]	1.2	1.2	1.2
Gain[dB]	Rx_IN J1/J2 : 26, J3 : 22	Rx_Main J1/J2 : 26, J3 : 22 Rx_Div J1/J2 : 26, J3 : 22	40
Gain Flatness[dB]	1.0max.	1.0max.	0.5max.
Gain Variation[dB]	1.0max.	1.0max.	1.0max.
P1dB[dBm]			21min.
OIP3[dBm]	+29	+29min.	+37min.
VSWR	1.5:1	1.5:1	1.3:1
DC Power[Vdc / mA]	5.5 / 500	5.5 / 1000	8 / 410
RF Connector	SMA(F)	SMA(F)	SMA(F)
DC Connector	Molex(4pin)	Molex(4pin,2pin)	Molex(4pin)
Alarm Indication	Open Collector(LED)	Open Collector(LED)	Open Collector
Operating Temperature[°C]	-40 ~ +85	-40 ~ +85	-40 ~ +85
Size(WxLxH) [mm]	90x70x22.5	120x90x22.5	75x47x22

* The specification can be modified upon buyer's requests.

* All specifications are subject to change without notice.

* The latest specifications are available at www.actipass.com