



Applications

- High Performance Driver Amplifier
- Laboratory Testing
- PA Pre-drivers
- COFDM/CDMA
- Broadcast Industry
- OEM Equipment/System Builders

Features

- High IP3
- Very High Linearity
- Dual power feed options:
 - 6-12V DC
 - Phantom Power

- On board regulator
- Power Status LED
- SMA Connectors
- Mounting Holes

Description

An extensive range of Linear Driver Amplifier modules are available to cover bands from 50MHz to 2.7GHz. These modules are ideal for use as high performance driver amplifiers and for laboratory test equipment where very high performance is essential.

The modules are available with external dc feed, or 'phantom' dc power feed via the RF OUT connector. A built-in voltage regulator makes these modules extremely easy to use, allowing them to be powered from any suitable unregulated power source in the range 6V to 12V dc. An LED indicates power present.

The modules incorporate a small mounting plate which provides heat-sinking and mounting platform if desired.

Generic Specification

CRITERIA	LIMITS	NOTES
Physical Dimensions	L (49mm) X W(22.50mm) X H(10mm)	Including end launch SMA connectors
Operating Voltage	Min 6V, Max 14V (* Min 10V, Max 14V)	Mounting to suitable heatsink may be required at higher operating voltages
Operating Temperature	85 degC	Maximum Base plate temperature
Mounting Holes	2.5mm	Suitable for M2.5 Bolt with 5mm Head

Module Specifications

Linear Driver Amps LDAs

Product Code	Fo (MHz)	BW (MHz)	F1 (MHz)	F2 (MHz)	Gain (dB)	Flatness (+/-dB)	N.F (dB)	P1dB (dBm)	OIP3 (dBm)	S ₁₁ (dB)	S ₂₂ (dB)	Vd (V)	Id (mA)	Pd (mW)	RF IN PWR (Max dBm)
LDA1-125-150-12	125	150	50	200	12	1.0	5	22	40	-16	-14	6	140	840	7
LDA1-900-200-14	900	200	800	1000	14	1.0	2.1	22	43	-19	-16	6	140	840	7
LDA1-900-200-14	900	200	800	1000	14	1.0	2.6	24	44	-16	-18	10	136	1360	10
LDA1-1150-700-13	1150	700	800	1500	13	1.0	2.6	24	44	-18	-19	10	136	1360	10
LDA1-1850-300-11	1850	300	1700	2000	11	1.0	2.9	22	43	-17	-14	6	140	840	7
LDA1-1900-200-12.6	1900	200	1800	2000	12.6	1.0	2.8	24	44	-26	-17	10	136	1360	10
LDA1-2050-300-10.4	2050	300	1900	2200	10.4	1.0	2.8	22	42	-26	-16	6	140	840	7
LDA1-2100-200-12.5	2100	200	2000	2200	12.5	1.0	2.9	24	44	-26	-18	10	136	1360	10
LDA1-2350-300-9.7	2350	300	2200	2500	9.7	1.0	2.8	22	43	-29	-13	6	140	840	7
LDA1-2350-300-12.2	2350	300	2200	2500	12.2	1.0	2.9	22.5	41	-21	-16	10	130	1300	10
LDA1-2600-200-9	2600	200	2500	2700	9	1.0	2.8	24	40	-22	-15	10	136	1360	10

We are continuously extending our product range, so if you cannot see a suitable module please contact us for a more up to date product list.

For further information and pricing please contact us at:

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