



LOW NOISE AMPLIFIERS (LLA Series)

FEATURES:

- *Coverage from 0.02-40GHz (Octave/Multi-Octave)
- *Noise Figure As Low As 0.5dB
- *Compact/Rugged Thin-Film Construction
- *Economically Priced

APPLICATIONS:

- *General High Power Laboratory RF Sources
- *Output Amplifiers in Test Equipment (ATE)
- *Driver Amplifiers in RF Distribution

DESCRIPTIONS:

LTC MICROWAVE LLA series are general purpose amplifiers for a wide range of applications in commercial and military systems where low to high gain block amplifiers are required. LLA series are compact, rugged, and may be designed into commercial and military systems where stringent environments are encountered.

SPECIFICATIONS:

MODEL NUMBER	Frequency Range (GHz)	Gain (dB) Min	NF (dB) Max	P1dB (dBm) Min	VSWR (In/Out) Max	Current @ 12-15VDC (mA) Typ	Connectors
LLAU3301417S	0.3-3.0	14	1.7	22	2.2:1	240	SMA-F
LLA02041932S	2.0-4.0	19	3.2	21	2.0:1	320	SMA-F
LLA03071426S	3.5-7.0	14	2.6	16	2.0:1	190	SMA-F
LLA05201124S	5.0-20.0	11	2.4	16	2.5:1	150	SMA-F
LLA06181518S	6.0-18.0	15	1.8	17	2.0:1	210	SMA-F
LLA06202025S	6.0-20.0	20	2.5	10	2.0:1	170	SMA-F
LLA05101720S	5.0-10.0	17	2.0	16	2.0:1	210	SMA-F
LLAU1201230S	0.1-20.0	12	3.0	16	2.2:1	100	SMA-F
LLA02201329S	2.0-20.0	13	2.9	15	2.2:1	100	SMA-F
LLA01022020S	1.0-2.0	20	2.0	10	2.2:1	270	SMA-F
LLA08132219S	8.0-13.0	22	1.9	10	2.0:1	120	SMA-F
LLA08183525S	8.0-18.0	35	2.5	19	2.0:1	270	SMA-F
LLAH5042016S	0.05-4.0	20	1.6	20	2.0:1	100	SMA-F
LLA01183130S	1.0-18.0	31	3.0	20	2.0:1	400	SMA-F
LLAV2U54116A	0.02-0.5	41 Typ	1.6 Typ	27 Typ	2.5:1	320 @ 15V	SMA-F
LLAV3U53712A	0.03-0.5	37 Typ	1.2 Typ	29 Typ	2.5:1	450 @ 15V	SMA-F
LLAV2U56016A	0.02-0.5	60 Typ	1.6 Tp	27 Typ	2.5:1	440 @ 15V	SMA-F
LLA03043018A	3.9-4.1	30 Typ	1.8 Typ	12 Typ	2.0:1	130 @ 15V	SMA-F
LLA01014005A	1.52-1.56	40 Typ	0.5 Typ	12 Typ	2.0:1	120 @ 15V	SMA-F
LLA1M023860A	0.01-2.0	38	6	14	2.0:1	110 @ 15V	SMA-F
LLA2MU51840A	0.02-0.5	18	4	28	2.0:1	470 @ 15V	SMA-F
LLA2MU53922A	0.02-0.5	39	2.2	24	2.0:1	440 @ 15V	SMA-F
LLA2M022250A	0.02-2.0	22	5	20	2.0:1	250 @ 15V	SMA-F
LLA3MU53615A	0.03-0.5	36	1.5	27	2.0:1	450 @ 15V	SMA-F

ALL THE ABOVE SPECIFICATIONS ARE @ 25 DEGREE C.

OTHER FREQUENCY BANDS & NOISE FIGURE ARE ALSO AVAILABLE.

LTC MICROWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.