



HIGH POWER AMPLIFIERS (LPA Series)

FEATURES:

- *Coverage from 0.02-40GHz (Octave/Multi-Octave)
- *Up to 100 Watts Output Power @ 1dB Comp Point
- *Compact Thin-Film Construction
- *Economically Priced

APPLICATIONS:

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

DESCRIPTIONS:

LTC MICROWAVE LPA series amplifiers are designed for use in a wide range of general purposes applications such as laboratory test equipment, instrumentation and other applications requiring high power output. Reliable operation is achieved using rugged strip-line circuit construction with selected GaAs FET & GaN devices.

SPECIFICATIONS:

MODEL NUMBER	Frequency Range (GHz)	Gain (dB) Min	P1dB (dBm) Min	OIP3 (dBm) Typ	VSWR (In/Out) Max	Current @ 12VDC (mA) Typ	Connectors
LPAU4021433S	0.4-2.7	14	33	48	2.2:1	900	SMA-F
LPA03042027S	3.0-4.0	20	27	40	2.1:1	350	SMA-F
LPA06101733S	6.0-10.0	17	33	43	2.0:1	1700	SMA-F
LPA12152834S	12.0-18.0	28	34	42	2.0:1	1500	SMA-F
LPAU2101138S	0.2-10.0	11	38	47	2.0:1	1500 @48V	SMA-F
LPA12152636S	12.0-15.0	26	36	44	2.0:1	1500	SMA-F
LPA12152632S	12.0-15.0	26	32	40	2.0:1	1500	SMA-F
LPA02183028S	2.0-18.0	30	28.5	36	2.2:1	1800	SMA-F
LPAU6022431S	0.6-2.7	24	31	40	2.2:1	1800	SMA-F
LPAU6062531S	0.6-6.0	25	31	40	2.2:1	1800	SMA-F
LPA01123531S	1.0-2.0	35	31	42	2.2:1	2000	SMA-F
LPA06183432S	6.0-18.0	34	32	44	2.2:1	1800 @+28V	SMA-F
LPA02022340A	2.4-2.5	23 Typ	40 Typ	-	2.0:1	2000 @+28V	SMA-F
LPA02022037A	2.4-2.5	20 Typ	37 Typ	-	2.0:1	1800 @+28V	SMA-F
LPAV2061635A	0.02-6	16 Typ	35 Typ	-	2.5:1	1000 @+28V	SMA-F
LPA02062443A	2.5-6.0	24 Typ	43 Typ	-	2.5:1	1200 @+28V	SMA-F
LPA22061433A	0.02-6	14	33 Psat	-	3.0:1	1000 @+28V	SMA-F
LPAU8U91835A	0.8-0.96	18	35.5	-	2.5:1	1400 @+10V	SMA-F

ALL THE ABOVE SPECIFICATIONS ARE @ 25 DEGREE C.

OTHER FREQUENCY BANDS & HIGHER POWER ARE ALSO AVAILABLE.

TEMPERATURE COMPENSATED AMPLIFIERS & GAIN CONTROL ARE ALSO AVAILABLE.

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