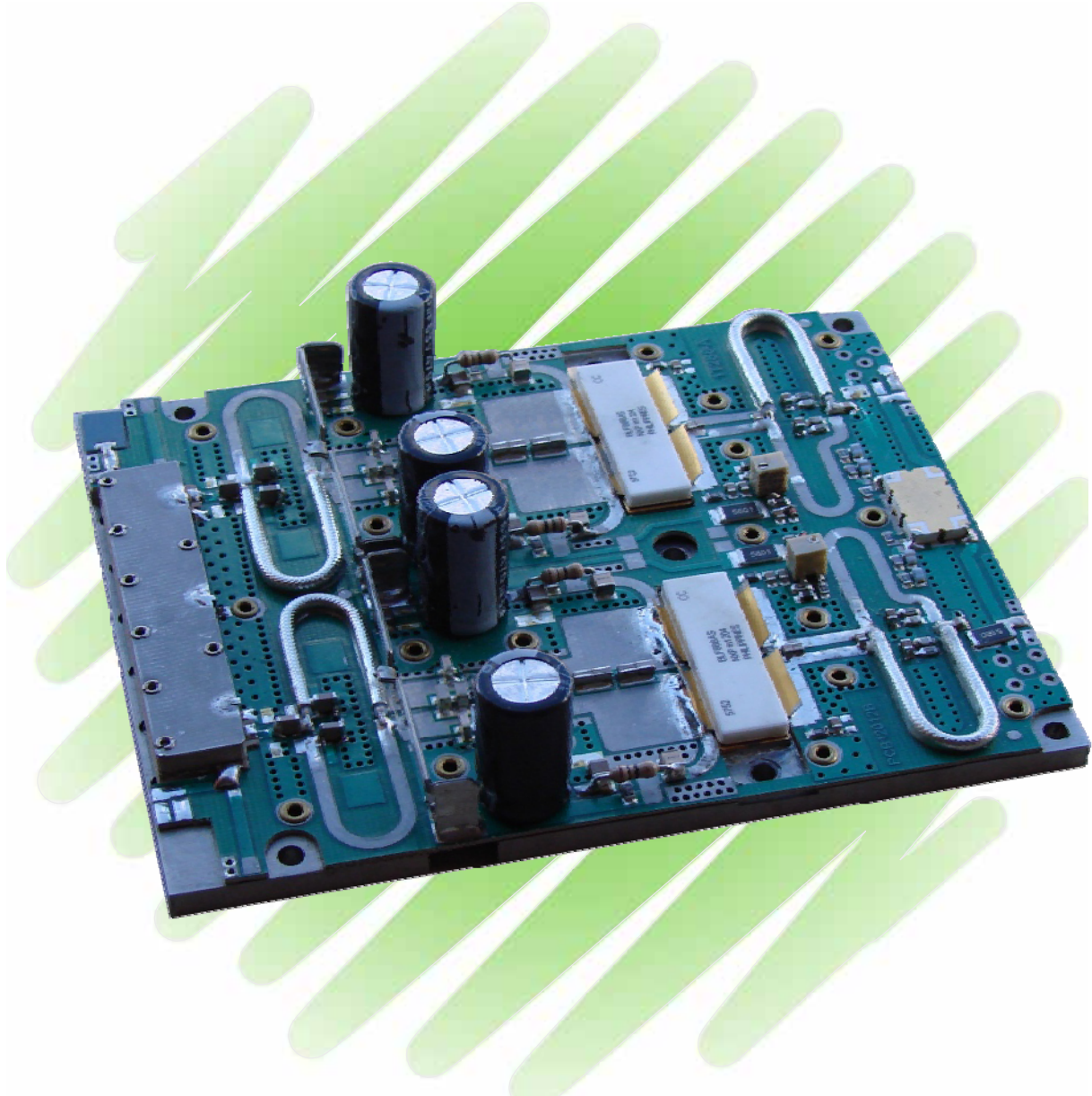


PLT04-501S



***500W UHF Amplifier
2 x NXP-BLF888AS***

UHF AMPLIFIER

GENERAL INFORMATION

Designed for analog and digital TV transmitters and transposers this RF amplifier incorporates latest design based on microstrip and stripline technology, PTFE PCB, planar balun and the latest LDMOS device from NXP to obtain the higher ruggedness and reliability maintaining the compatibility with the previous generation of LDMOS devices.

Very low thermal resistance is obtained by means of the silver plated copper base-plate with the same size of the printed circuit board.

The RF block amplifier (pallet) is easy replaceable without any alignment, it comprises circuits for stabilising the operating point in the whole temperature range.

TECHNICAL SPECIFICATIONS ($t_h = 25\text{ }^{\circ}\text{C}$; $50\text{ }\Omega$ loaded ; $V_{dc} = +48\text{V}$)

- Frequency range 470 ÷ 862 MHz
- Efficiency >27%
- Gain >18 dB
- Max VSWR 3:1
- Temperature Range -5°C to $+55^{\circ}\text{C}$
- Output power (DVB) 200 W_{rms}
- Output power (ATV) 500 W_{ps}
- Working Class AB
- Supply Voltage +48 V_{dc}
- Size 100 x 125 x 25 (H) mm
- Weight 450gr.

RF MODULE LAYOUT

