

PLT04-501SE



*500W UHF Amplifier
Current Monitor option*

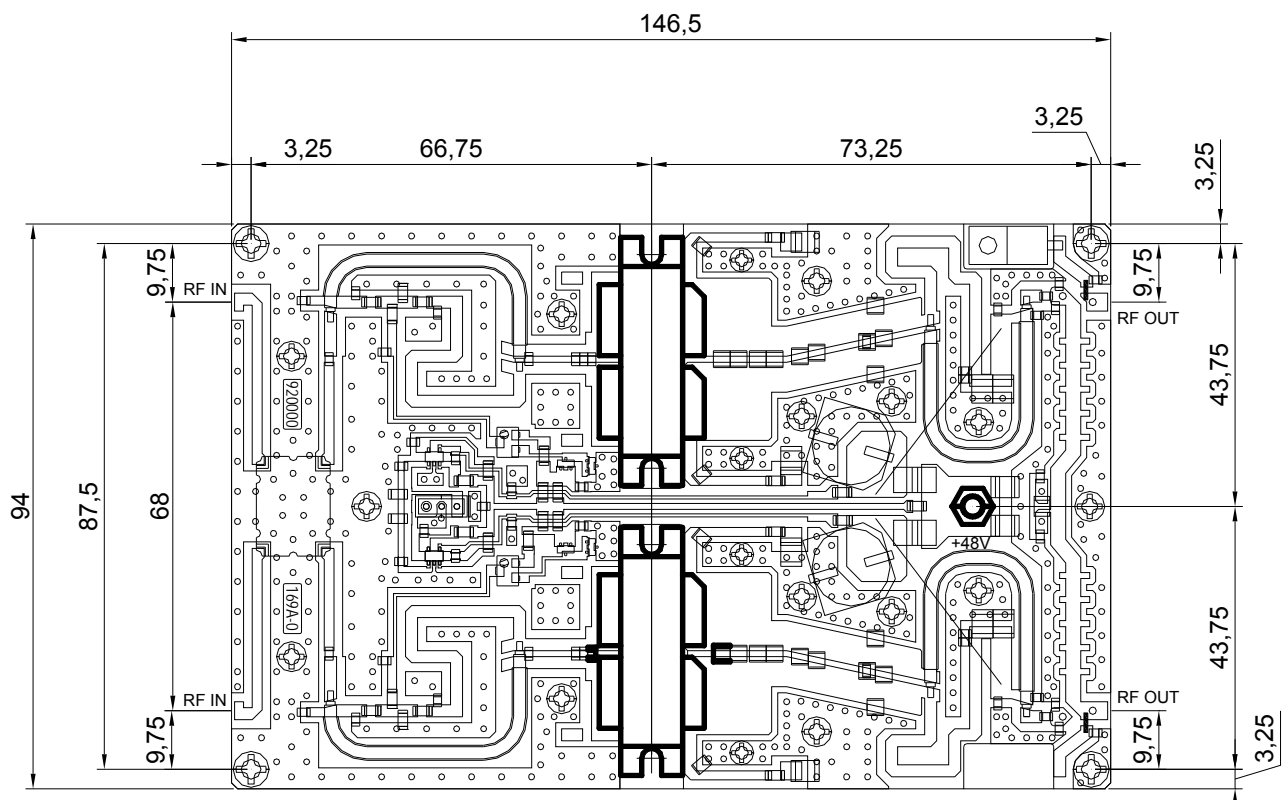
GENERAL INFORMATION

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 is easy replaceable without any alignment and it comprises circuits for stabilising the operating point in the whole temperature range and an integrated current and temperature sense circuitry with relevant connector (3V/30A , others on request)

TECHNICAL SPECIFICATIONS (th = 25 °C ; 50 Ω loaded ; Vdc = +48V)

- Frequency range 470 ÷ 862 MHz
- Efficiency >27%
- Gain >18 dB
- Max VSWR 3:1
- Temperature Range -5°C to +55°C
- Output power (DVB) 200 Wrms
- Output power (ATV) 500 Wps
- Working Class AB
- Supply Voltage +48 Vdc
- Size 94 x 146,5 x 25 (H) mm
- Weight 450gr.

RF MODULE LAYOUT



UHF AMPLIFIER