

Tugicom RF Design

LPF500 – Low pass filter

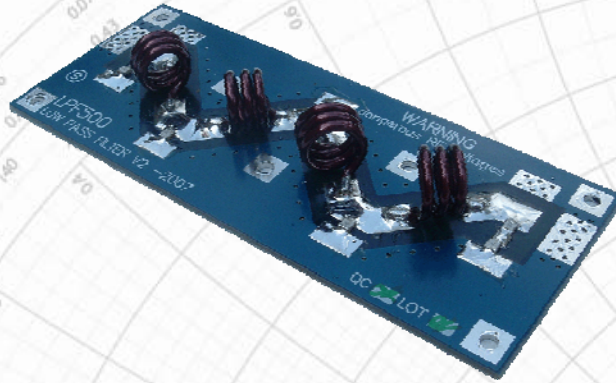
User Manual



LPF500 - HIGH QUALITY LOW PASS FILTER

Our cost-effective LOW PASS FILTER can handle 500W of RF power in the 87.5 MHz-108 MHz FM band

Add this filter to any transmitter in order to make it meet the FCC regulation.



Features

High quality PCB

Capacitors are low ESR, high "Q" Microwave 500V 1% made by ATC

Insertion loss < 0.5dB

Easy connections for input and output coax cable

Dimension: 2¼" X 5½"

Connecting and fine tuning

1. Measure the output power of your transmitter in 3 different frequencies, write them on a note.
2. Install the board in your transmitter, for good connections to ground please use all screws.
3. Connect the signal to the left side of the board.
4. Connect the output connector to the right side of the board.
5. Turn on your transmitter and make a fine tuning to the coils gently with plastic screw driver, for maximum output power that will be close to the measured power in clause 1.

Recommendation

1. Install the LPF500 far from power supply and audio signals.
2. It's better to install the LPF500 on same heat sink with the amplifier.
3. Warning: High RF Voltage in the filter – Don't touch it!

We make the spectrum cleaner!

Thank you for purchasing one of our products.
Tugicom RF Design.

Come visit our website for updates and new products: www.tugicom.com