

FC CE

CAPACITANCE MULTIPLIER STAND ALONE



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Capacitance Multiplier (Stand Alone)

A Capacitance Multiplier is designed to make a small capacitor function like a capacitor that is much, much larger.

This design reduces the output ripple/noise of any PSU to almost negligible levels (less than 5mV up to 1Mhz).

Note this this is not a voltage regulator. The output voltage will track the input voltage (- dropout voltage).

This circuit is very suitable for class A and class D amplifiers or even to feed clean power to your SBCs.

Key Features

- Designed to make a small capacitor function like a capacitor that is much, much larger
- Reduces the output ripple/noise of any PSU to almost negligible levels (less than 5mV up to 1Mhz)
- The output voltage will track the input voltage (- dropout voltage)
- Suitable for class A and class D amplifiers
- Suitable to feed clean power to your SBCs
- Dropout voltage is trim pot selectable

Technical Specifications

- Max Vin (30v)
- Min Vin (6v)
- Dropout voltage is trim pot selectable from 0-3V (dropout voltage should be always higher than ripple / noise of PSU)
- Factory default is 0.5V
- Power dissipation is dropout Voltage x A used = W of heat
- PSRR of 70db
- This circuit is very suitable for class A and class D amplifiers or even to feed clean power to your SBCs



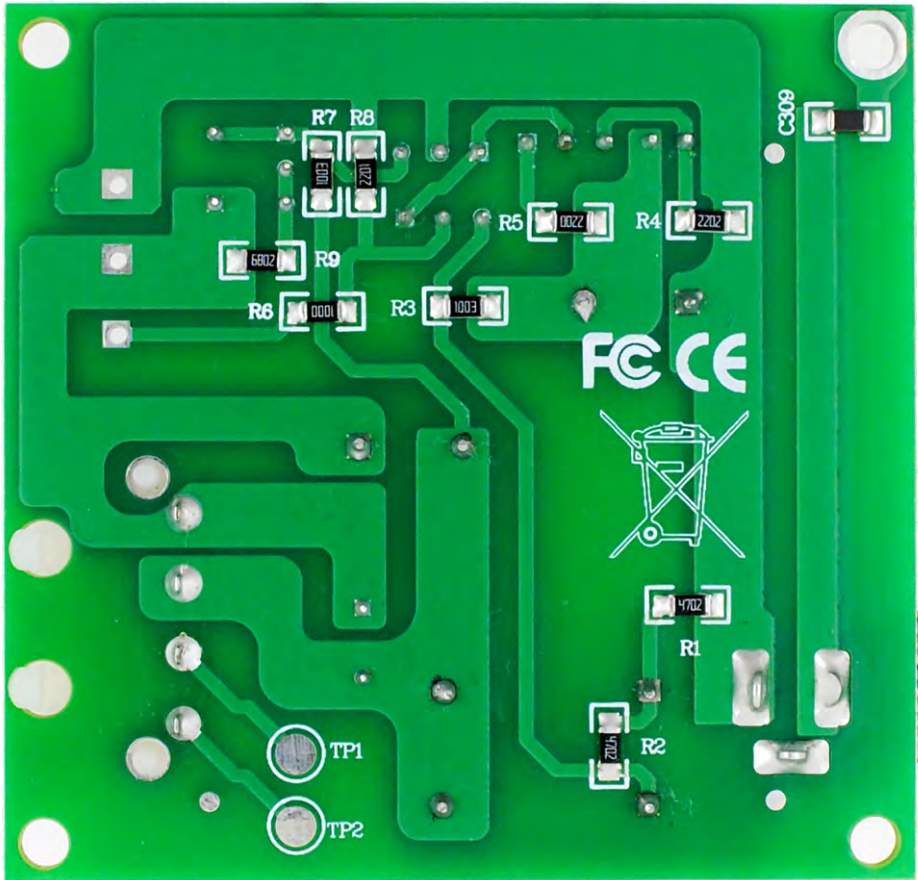
Top View



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Bottom View



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