

ABSTRACT

Power supply is an indispensable tool in electronic equipment. Without power supply, electronic equipment will not be able to work properly. Switching Power Supply is one of power supply type which needed at this time. Switching Power Supply with Power Supply is different Linear Power Supply. The difference lies in the power efficiency, size and light. At this time, there are many electronic devices use the Switching Power Supply. For example: television, AC (Air Conditioner), and others.

Switching Power Supply has for 220V AC for input. Output signal from AC is filtered by LC filter (Inductor and Capacitor) to throw the noise in AC signal. AC signal is rectified by rectifier, and then it manipulated into intermittent DC. Then, it transferred to secondary circuit through the switching transformer. For the stability of resulting voltage is controlled by feedback through the optocoupler.

Output of Switching Power Supply is 12 Volt and 0,5 A.

Key words: Switching Power Supply, Switching Transformer, Switching Regulator