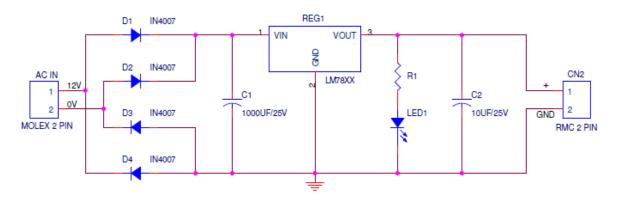
A **regulated power supply** is an Electronic circuit, it converts unregulated ac into a constant DC .With the help of a rectifier it converts ac supply into dc. Its function is to supply a stable voltage, to a circuit or device that must be operated within certain power supply limits. The output from the regulated power supply depends on Regulator you are using. Typically 78XX (XX ranges from 05-12)

## **Circuit:**



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Diode (D1 – D4) ------ IN4007

Capacitor C1 ----- 1000MFD/25V

Resistor R1 ----- 220E (If regulator is 7805, 7806, 7809)

470E (If regulator is 7812)

1K (If regulator is 7814 and above)

Capacitor C2 ------ 10MFD/25V

\*\*\* Caution the input AC in should be via Step down Transformer