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TENET
TECHNETRONICS

Application Note on LM1117 Breakout

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Reviewer:

Version1.0

LM1117 Low dropout linear regulator

Introduction

In this application note we will be discussing on LM1117 breakout. In which it can be used for many applications like Bluetooth power supply, battery chargers, Post Regulator for Switching DC-DC converters.

LM1117:

The LM1117 is a low dropout voltage regulator with a dropout of 1.2 V at 800 mA of load current. The LM1117 is available in an adjustable version, which can set the output voltage from 1.25 to 13.8 V with only two external resistors. In addition, it is available in five fixed voltages, 1.8 V, 2.5 V, 3.3 V, and 5 V. The LM1117 offers current limiting and thermal shutdown. Its circuit includes a Zener trimmed bandgap reference to assure output voltage accuracy to within ±1%. The two 10-µF tantalum capacitor is required at the output to improve the transient response and stability.
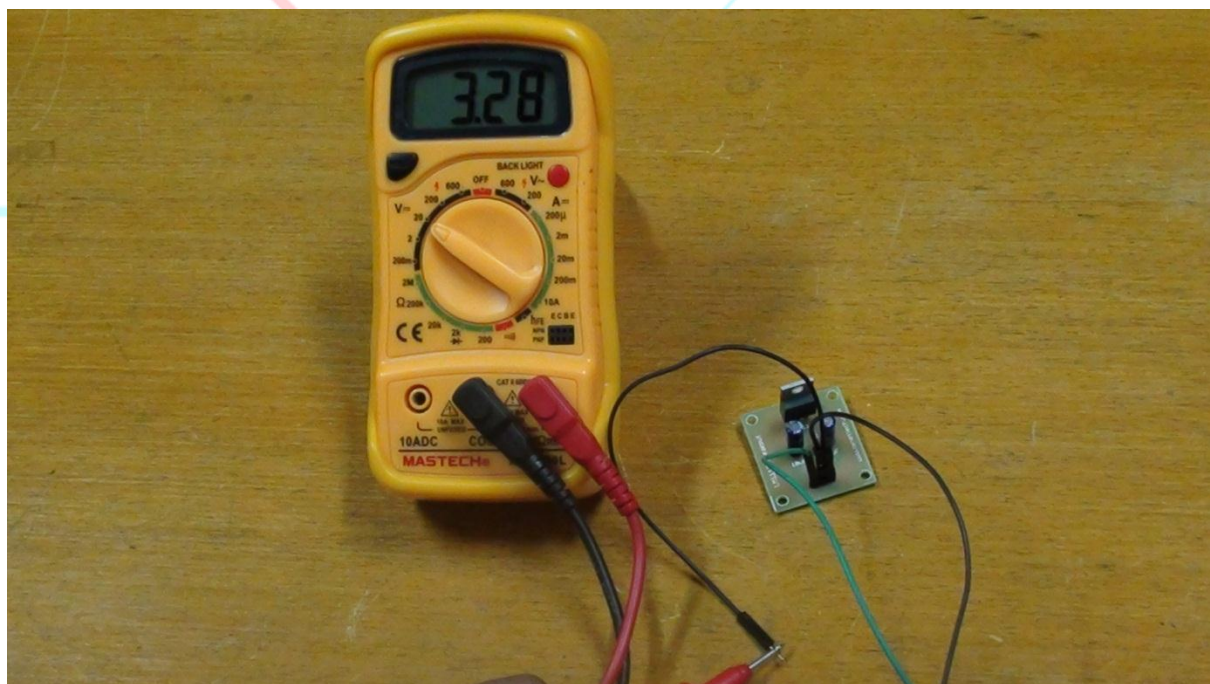
Step1. The Materials required are:

- Arduino UNO
- LM1117 breakout
- Male to male Jumpers
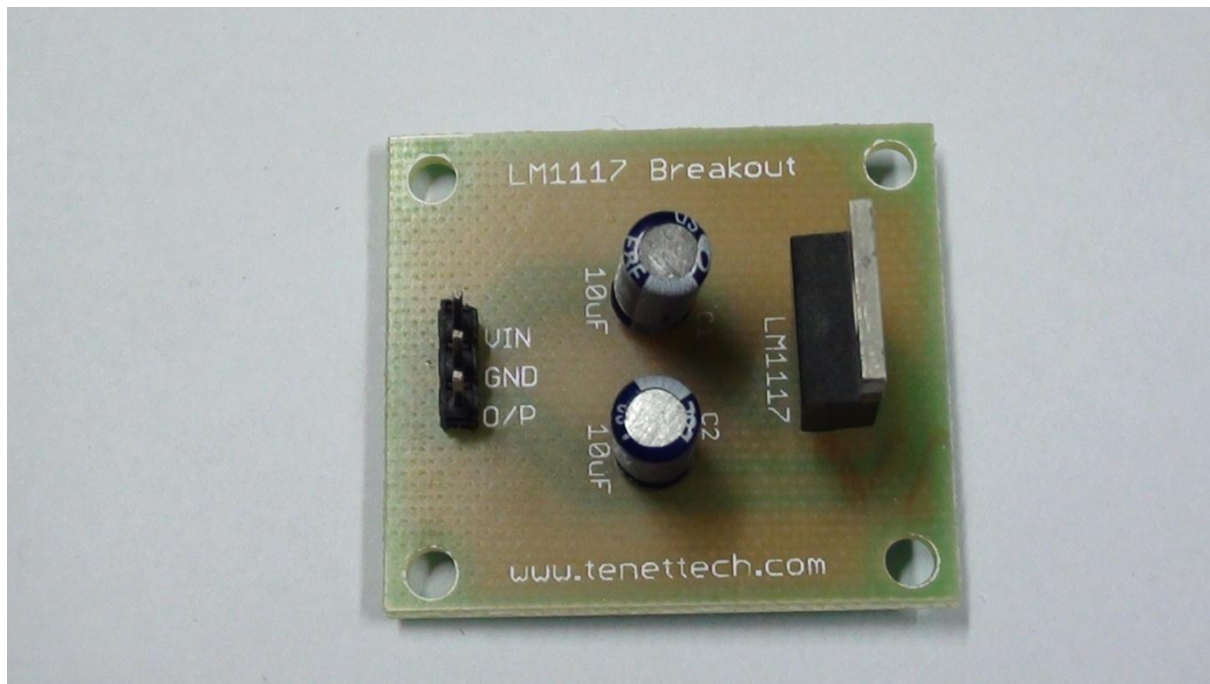
OUTPUT:

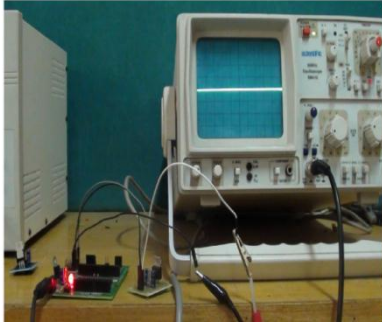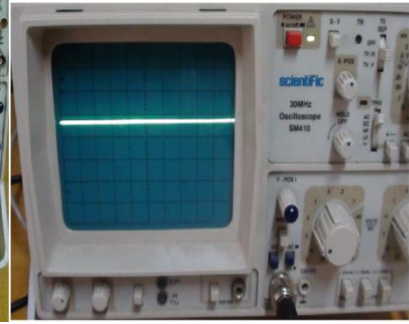**GROUND**   **DC O/P- 3.3V LOGIC**

For more information please visit: www.tenettech.com

For technical query please send an e-mail: info@tenettech.com

For product info:

1. **http://www.tenettech.com/search?q=arduino+uno&r1=default**
2.