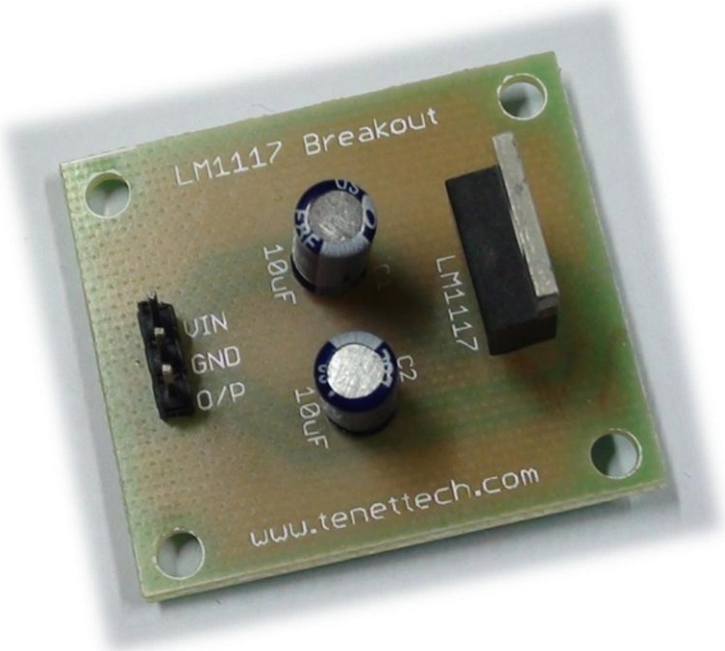
2016

TENET TECHNETRONICS

"Simplifying Technology for Life"

Tenet's LM1117 3.3V regulator breakout



Contents

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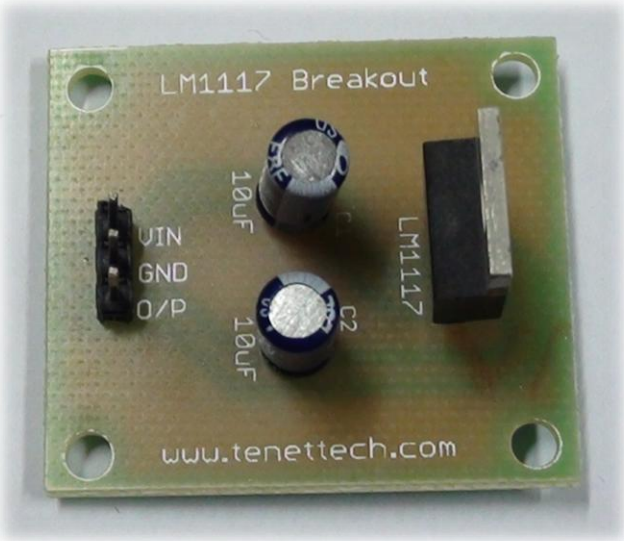
Introduction

Tenet's LM1117 breakout is 3.3V Fixed regulator.The LM1117 is a series of low dropout voltage regulators with a dropout of 1.2V at 800mA of load current. It has the same pin-out as National Semiconductor's industry standard LM317. The LM1117 is available in an adjustable version, which can set the output voltage from 1.25V to 13.8V with only two external resistors. In addition, it is also available in five fixed voltages, 1.8V, 2.5V, 2.85V, 3.3V, and 5V. Tenet's LM1117 breakout uses 3.3V fixed regulator.

The LM1117 offers current limiting and thermal shutdown. Its circuit includes a zener trimmed band gap reference to assure output voltage accuracy to within ±1%.



Features

- 3.3V Fixed voltage regulator
- Current Limiting and Thermal Protection
- Output Current 800mA
- Line Regulation 0.2% (Max)
- Load Regulation 0.4% (Max)

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Applications

- Post Regulator for Switching DC/DC Converter
- High Efficiency Linear Regulators
- Battery Charger
- Battery Powered Instrumentation

Specifications

Parameters	**Specifications**
Maximum Input Voltage (VIN to GND)	20V
Recommended Input Voltage (VIN to GND)	<15V
Power Dissipation	Internally Limited
Junction Temperature (TJ)	150˚C
Storage Temperature Range	-65˚C to 150˚C
Output Voltage	3.235V to 3.365V (typical 3.3V)
Output Current	800mA

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