



ZHEJIANG UNI-NE Technology CO., LTD

浙江宇力微新能源科技有限公司



U1117 Data Sheet

V 1.1

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Features

- Maximum output current is 1.1A
- Range of operation input voltage: Max 18V
- Line regulation: 0.03%/V (typ.)
- Standby current: 1.8mA (typ.)
- Load regulation: 0.2%/A (typ.)
- Environment Temperature: -40°C~85°C

Applications

- I Power Management for Computer Mother Board, Graphic Card
- I LCD Monitor and LCD TV
- I DVD Decode Board
- I ADSL Modem
- I Post Regulators For Switching Supplies

General Description

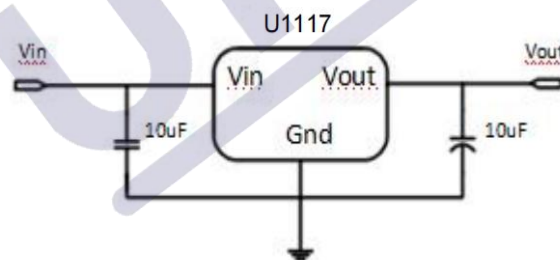
U1117 is a series of low dropout three-terminal regulators with a dropout of 1.3V at 1A load current. U1117 features a very low standby current 1.8mA compared to 5mA of competitor.

U1117 is a fixed-output version, providing outputs of both 3.3V and 5.0V.

U1117 offers thermal shut down function, to assure the stability of chip and power system. And it uses trimming technique to guarantee output voltage accuracy within 2%. Other output voltage accuracy can be customized on demand, such as 1%.

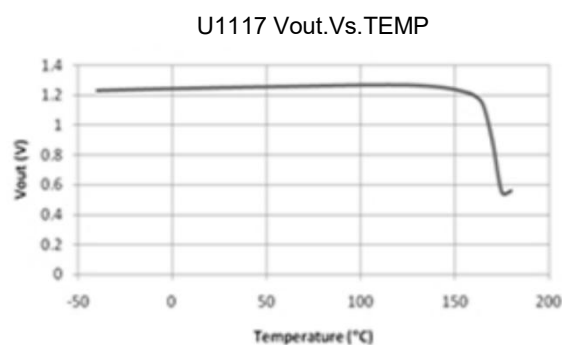
U1117 is available in SOT223 power package.

Typical Application



Application circuit of U1117 fixed version

Typical Electrical Characteristic



Ordering Information

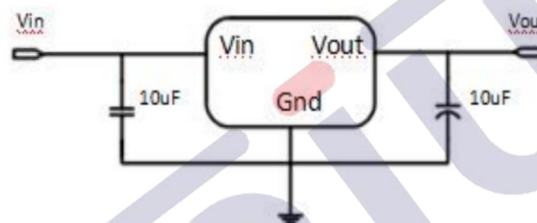
Marking	Designator	Description
1117 XX XXXX	1117	Product code
	XX	Output Voltage 3.3V/5.0V
	XXXX	LOT

Note: "XX" stands for output voltages. "XX" stands for LOT.

Typical Application

U1117 has an adjustable version and six fixed versions (3.3V , 5V)

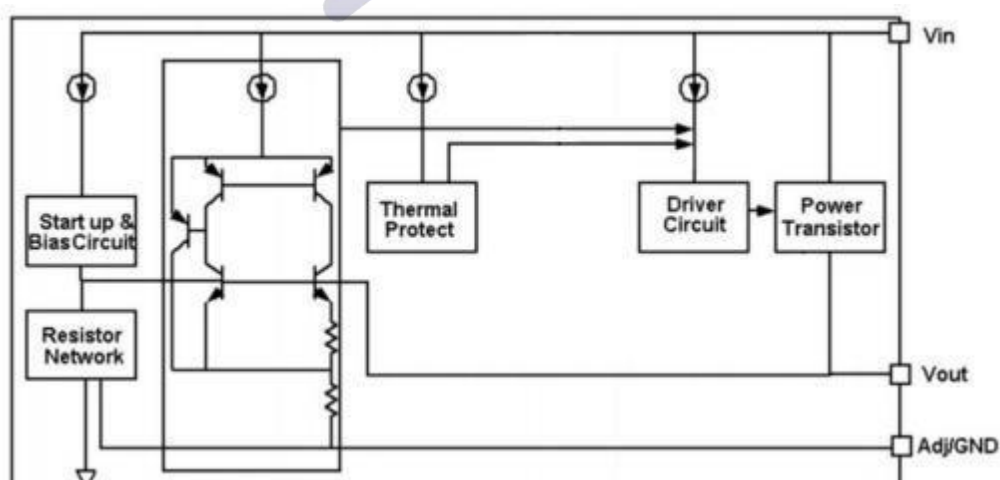
Fixed Output Voltage Version



Application circuit of U1117 fixed version

- 1) Recommend using 10uF tan capacitor as bypass capacitor (C1) for all application circuit.
- 2) Recommend using 10uF tan capacitor to assure circuit stability.

Block Diagram



1.版本记录

DATE	REV.	DESCRIPTION
2018/04/ 19	1.0	First Release
2021/ 12/ 11	1.1	Layout adjustment

2.免责声明

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3.联系我们

浙江宇力微新能源科技有限公司

总部地址：绍兴市越城区斗门街道袍渎路25号中节能科创园45幢4/5楼

电话：0575-85087896（研发部）

传真：0575-88125157

E-mail: htw@uni-semic.com

无锡地址：江苏省无锡市锡山区先锋中路6号中国电子（无锡）数字芯城1#综合楼503室

电话：0510-85297939

E-mail:zh@uni-semic.com

深圳地址：深圳市宝安区西乡街道南昌社区宝源路泳辉国际商务大厦410

电话：0755-84510976

E-mail:htw@uni-semic.com