

# AMS1117 Spanningsregelaar

[afbeelding.png](#)

## Pin Configuration

| Pin Number | Pin Name              | Description                                                                                |
|------------|-----------------------|--------------------------------------------------------------------------------------------|
| 1          | Adjust/Ground         | This pins adjusts the output voltage, if it is a fixed voltage regulator it acts as ground |
| 2          | Output Voltage (Vout) | The regulated output voltage set by the adjust pin can be obtained from this pin           |
| 3          | Input Voltage (Vin)   | The input voltage                                                                          |

## Features

- Fixed/Adjustable 3-terminal Linear voltage regulator
- Low Drop-Out (LDO) Voltage regulator
- Fixed Voltage type: 1.5V, 1.8V, 2.5V, 2.85V, 3.3V and 5V
- Variable Voltage range: 1.25V to 13.8V
- Output current is 1000mA
- Maximum Drop-out Voltage: 1.3V
- In-built Current Limiting and thermal protection.
- Operating junction temperature is 125°C
- Available in SOT-223, TO-252 and SO-8 Package

[AMS1117-schema.png](#)

[AMS1117-module.jpg](#)

## Applications

- Used for Positive voltage regulations

- Variable power supply
- Current limiting circuits
- Reverse polarity circuits
- Commonly used in Desktop PC, DVD and other consumer products
- Used in motor control circuits

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