

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

BRON:

Components101

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