

## 1. Description

The KIA1117 series of positive adjustable and fixed regulators is designed to provide 1A for applications requiring high efficiency. All internal circuitry is designed to operate down to 800mA input to output differential and the dropout voltage is fully specified as a function of load current.

The KIA1117 offers current limiting and thermal protection. The on chip trimming adjusts the reference voltage accuracy to 2%.

## 2. Features

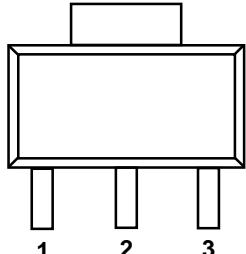
- Output current of 1A typical
- Three-terminal adjustable or fixed
- 1.5V, 1.8V, 2.5V, 2.85V, 3.0V, 3.3V, 5.0V outputs
- Thermal protection built in
- Fast transient response

## 3. Applications

- PC motherboard
- LCD monitor
- DVD-Video player
- NIC/switch
- Telecom equipment
- High efficiency linear regulator
- Printer and other peripheral equipment
- Battery charger

## 4. Pinning information

Table1: Pinning-SOT223, simplified outline

Pin	Description	Simplified outline
1	ADJ/GND	 <p>(SOT223 Front View)</p>
2	$V_{OUT}$	
3	$V_{IN}$	