



The AMS1117 x.xV is a low-dropout (LDO) linear voltage regulator module capable of delivering up to 1000mA (1A) of output current. It efficiently steps down higher DC voltages (commonly 6v to 18V) to a stable x.xV regulated output. Compact and easy to use, it is widely applied in embedded systems, logic circuits, and low-voltage IC power supplies.

Specifications:

- PCB: 16.6mm x 19.0 x 1.54mm
- Overall Size: 16.6mm x 19.0 x 3.4mm
- Mounting Holes: M3 x 1
- Breaks out: 3 Solder Pin Pads
- Pitch 2.54mm
- Pin Header: 1x3 Supplied
- In: Power Voltage in
- Out: At fixed Voltage
- GND: (Ground)
- **Voltage Regulator: (UWM AMS1117 ADJ)**
- Package: SOT-223-3L
- Input Supply Voltage: 6 to 18V
- Output Amp: 1A(1000mA)
- Output Voltage 1.2v: Min-1.176v typical-1.2v Max- 1.224
- Output Voltage 1.5v: Min-1.477v typical-1.5v Max- 1.522
- Output Voltage 1.8v: Min-1.773v typical-1.8v Max- 1.827
- Output Voltage 2.5v: Min-2.466v typical-2.5v Max- 2.538
- Output Voltage 3.0v: Min-2.952v typical-3.0vMax- 3.057
- Output Voltage 3.3v: Min-3.250v typical-3.3v Max- 3.349
- Output Voltage 5.0v: Min-4.925v typical-5v Max- 5.075
- Quiescent Current: typical 5mA - Max 10mA
- Ripple Rejection: Min-60 - typical-75dB (FRIPPLE =120Hz, (VIN-VOUT)=3V, VRIIPPLE=1VPP)
- Thermal shutdown: 150 °C
- Temperature Stability: 5%
- Long Term Stability: 0.3% (TA=125°C, 1000Hrs)
- RMS Output Noise: 0.003 %
- ESD Tolerance (Minimum): 2000V
- Temperature Range: -40°C to 125°C
- **Pin Header:**
- Pin Pitch: 2.54mm
- Max Current Rating: 3A
- Withstanding voltage: 500V AC/minute
- Temperature Range: -40°C to 105°C
- Contact resistance: 20mΩ Max
- Insulation resistance: 1000mΩ Min
- **We can customize the output Value contact esales@temperosystems.com.au**
- **Assemble in House on the gold coast**

