



The AMS1117 xxV 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 3.3V, 5V, or higher up to 12V) to a stable 1.2V 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**

