

## AUM Series

10 Watts

Total Power: 10 Watts  
Input Voltage: 36V - 60V  
# of Outputs: Single

### Special Features

- Ultra Low Profile - 7.7mm
- Efficiency - 88% @ 5V
- -40°C to +80°C Operating temperature(Ambient)
- Open Frame SMT
- Low output ripple and noise
- Regulation to zero load
- CISPR22, Class A for Conduct and Radiated EMI
- Parallel Application
- Pb-free reflow compatible and ROHS compliant

### Safety

UL 60950  
CE CE Mark



Rev. 09.23.05  
AUM Series  
1 of 2

## Electrical Specifications

| Input                  |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| Input range            | 36 - 60 VDC                                                           |
| Efficiency             | 88% @ 5V                                                              |
| Output                 |                                                                       |
| Line / Load Regulation | ±5%                                                                   |
| Noise / Ripple         | 50mV p-p                                                              |
| OVP                    | 120% of $V_{O_{nom}}$                                                 |
| OCP                    | 3.1A for 1.5V - 3.3V<br>2.1A for 5V                                   |
| LVP                    | 90% of $V_{O_{nom}}$ (latch-up)                                       |
| Isolation              | 1500VDC                                                               |
| Control                |                                                                       |
| Enable                 | ON: RC pin connected to -Vin or open<br>OFF: RC pin connected to +Vin |

## Environmental Specifications

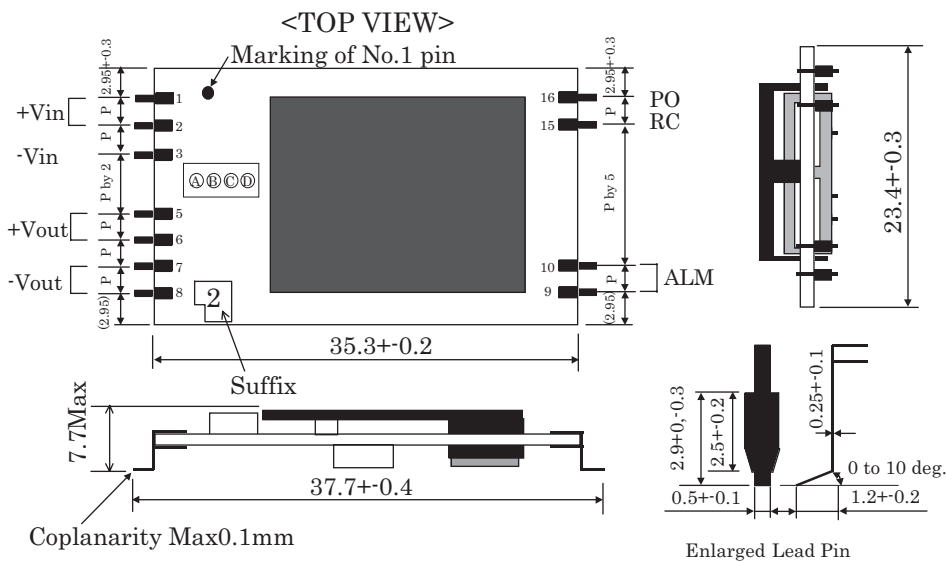
|                               |                                    |
|-------------------------------|------------------------------------|
| Ambient Operating temperature | -40°C to +80°C (forced air 0.2m/s) |
| Storage temperature           | -45°C to +90°C                     |



## Ordering Information

| Input Voltage | Output Voltage | Efficiency | Model Number |
|---------------|----------------|------------|--------------|
| 48V           | 1.5V @ 3A      | 78% (Typ)  | AUM03M48     |
| 48V           | 1.8V @ 3A      | 80% (Typ)  | AUM03Y48     |
| 48V           | 2.5V @ 3A      | 84% (Typ)  | AUM03G48     |
| 48V           | 3.3V @ 3A      | 86% (Typ)  | AUM03F48     |
| 48V           | 5.0V @ 2A      | 88% (Typ)  | AUM02A48     |

## Pin Assignment



## Pin Assignments

| Pin No | Symbol | Function | Pin No | Symbol | Function              |
|--------|--------|----------|--------|--------|-----------------------|
| 1, 2   | +Vin   | +Input   | 9, 10  | ALM    | Alarm Output          |
| 3      | -Vin   | - Input  | 15     | RC     | Remote control on/off |
| 5, 6   | +Vout  | +Output  | 16     | PO     | Parallel operation    |
| 7, 8   | -Vout  | -Output- |        |        |                       |

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## Astec Power

5810 Van Allen Way  
Carlsbad, CA 92008  
USA  
Telephone: +1 760 930 4600  
Facsimile: +1 760 930 0698  
Technical Support: +1 888 41 ASTEC  
or +1 407 241 2752

Waterfront Business Park  
Merry Hill, Dudley  
West Midlands, DY5 1LX  
United Kingdom  
Telephone: +44 (0) 1384 842 211  
Facsimile: +44 (0) 1384 843 355

Units 2111-2116, Level 21  
Tower 1, Metroplaza  
223, Hing Fong Road  
Kwai Fong, New Territories  
Hong Kong  
Telephone: +852 2437 9662  
Facsimile: +852 2402 4426

For global contact, visit:

[www.astecpower.com](http://www.astecpower.com)  
[technicalsupport@astec.com](mailto:technicalsupport@astec.com)

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