

Embedded Power for Business-Critical Continuity

AUM Series

10 Watts

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



Rev. 09.23.05
 AUM Series
 1 of 2

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

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 2.1A for 5V
LVP	90% of $V_{O_{nom}}$ (latch-up)
Isolation	1500VDC
Control	
Enable	ON: RC pin connected to -Vin or open 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

Safety

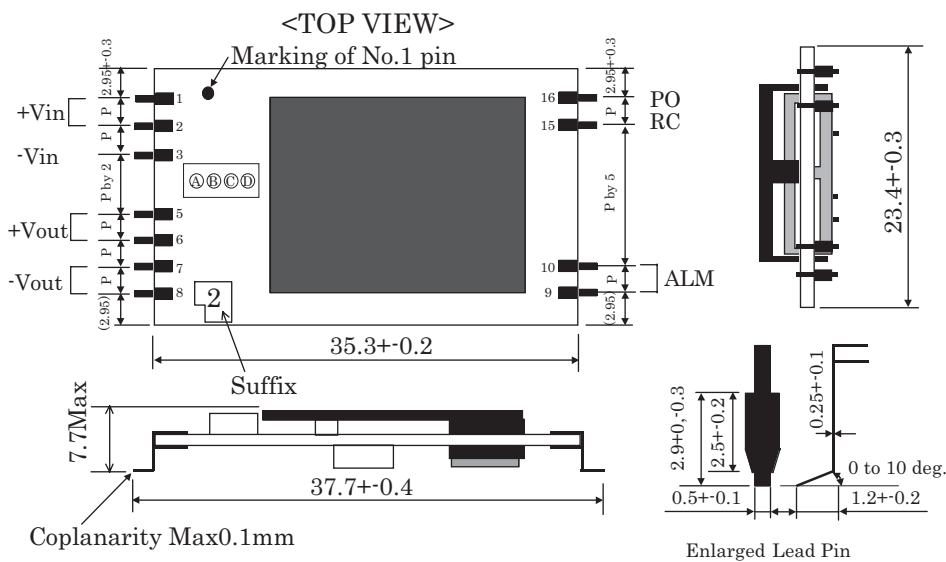
UL 60950
 CE Mark



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



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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-			

Note: Astec reserves the right to make changes to the information contained herein without notice and assumes no liability of its use and application.

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business-critical continuity.

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