

Embedded Power for Business-Critical Continuity

AUD Series

10 Watts

Total Power: 10 Watts
 Input Voltage: 36V - 75V
 # of Outputs: Single



Rev. 09.23.05
 AUD Series
 1 of 2

Special Features

- Ultra Low Profile - 4.3mm
- Efficiency - 89% @ 5V
- -40°C to +85°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 36 - 75VDC (forced air 0.5m/s)
Efficiency	89% @ 5Vo

Output

Line / Load Regulation	+5%, -3%
Noise / Ripple	50mV p-p
OVP	120% of $V_{o\text{nom}}$ (latch-up)
OCP	3.6A for 1.5V 3.1A for 1.8V - 3.3V 2.1A for 5V
LVP	90% of $V_{o\text{nom}}$ (latch-up)
Isolation	1500VDC

Control

Enable	ON: RC pin connected to -Vin or open OFF: RC pin connected to +Vin
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Environmental Specifications

Ambient Operating temperature	-40°C to +85°C (forced air 0.2m/s)
Storage temperature	-45°C to +90°C

Safety

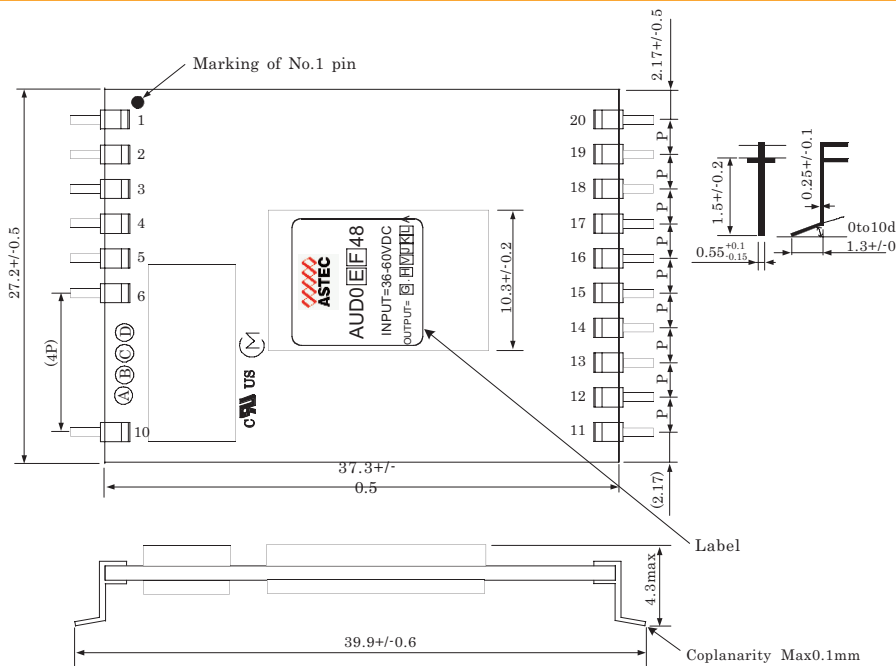
UL 60950
 CE Mark



Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
48V	1.5V @ 3.5A	82% (Typ)	AUD03M48
48V	1.8V @ 3A	84% (Typ)	AUD03Y48
48V	2.5V @ 3A	86% (Typ)	AUD03G48
48V	3.3V @ 3A	88% (Typ)	AUD03F48
48V	5.0V @ 2A	89% (Typ)	AUD02A48

Pin Assignment



Pin Assignments

Pin No	Symbol	Function	Pin No	Symbol	Function
1, 10, 11	NC	Mechanical supplemental contact pins	12	ALM	Alarm output
2	+Vout	+Output	13	RC	Remote on/off control
3	+Vout	+Output	14	PO	Parallel operation
4	+Vout	+Output	15	NC	-
5	-Vout	-Output	16	+Vin	+Input
6	-Vout	-Output	17	+Vin	+Input
			18	-Vin	-Input
			19	-Vin	-Input

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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Printed in USA

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