

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

Environmental Specifications

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

Safety

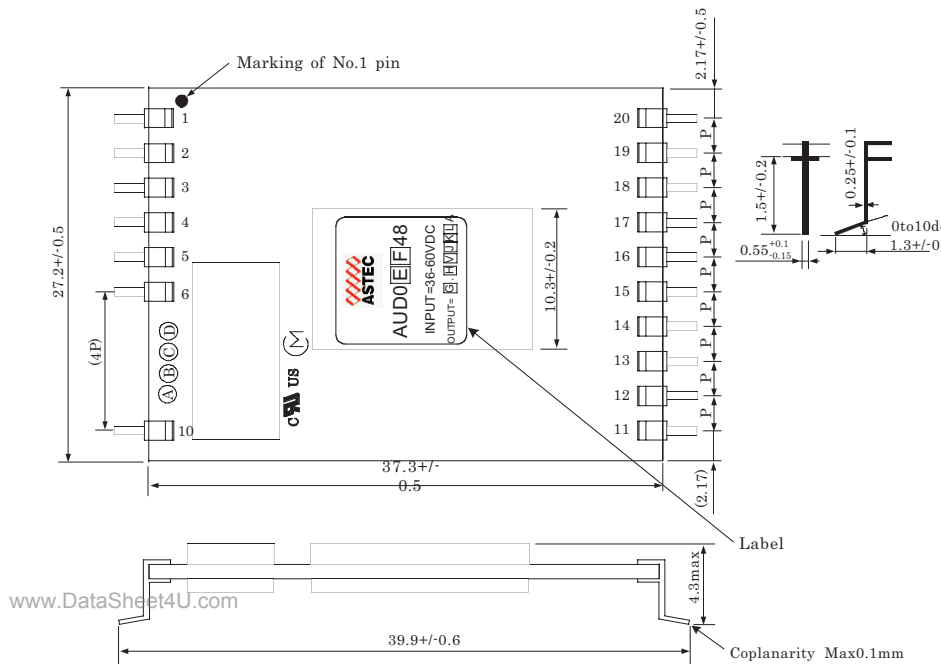
UL 60950
CE CE Mark



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



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
technicalsupport@astec.com

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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

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