

AUD Series

10 Watts

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



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

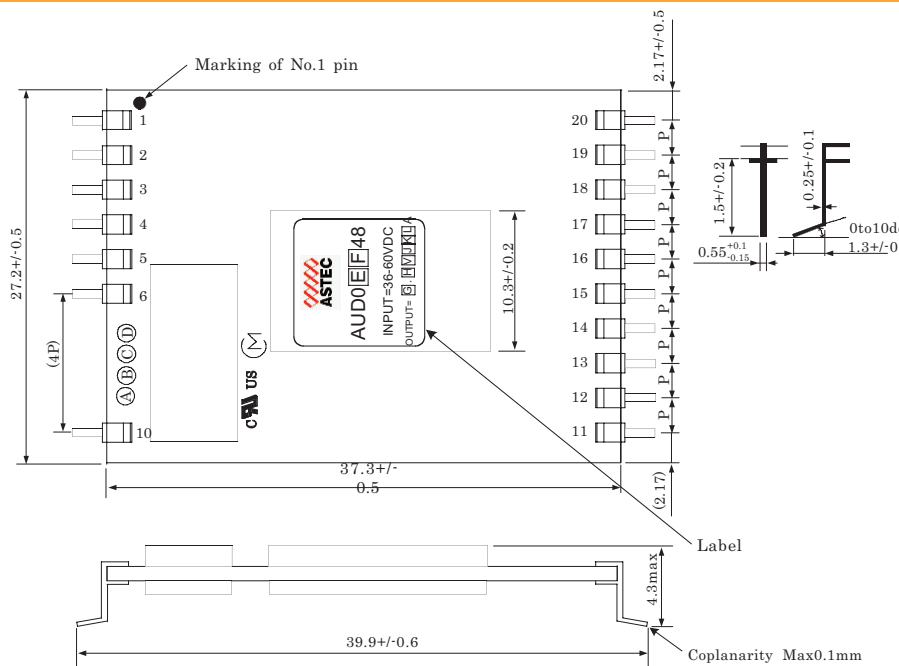
UL 60950
CE CE Mark



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



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.

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

While every precaution has been taken to ensure accuracy and completeness in this literature, Astec Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

Printed in USA

Emerson Network Power.

The global leader in enabling
business-critical continuity.

- AC Power
- Connectivity
- DC Power
- Embedded Power**
- Inbound Power
- Integrated Cabinet Solutions
- Outside Plant
- Precision Cooling
- Site Monitoring and Services

EmersonNetworkPower.com

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co.
©2005 Emerson Electric Co.