

AUG Series

15 Watts

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



Rev. 09.20.05
AUG 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 60 - 75VDC (forced air 1.0m/s)
Efficiency	89% @ 5Vo
Output	
Line / Load Regulation	+5%, -3%
Noise / Ripple	50mV p-p
OVP	120% of Vo _{nom} (latch-up)
OCP	3.1A for 5V 4.65A for 1.8V - 3.3V 5.4A for 1.2V
LVP	90% of Vo _{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

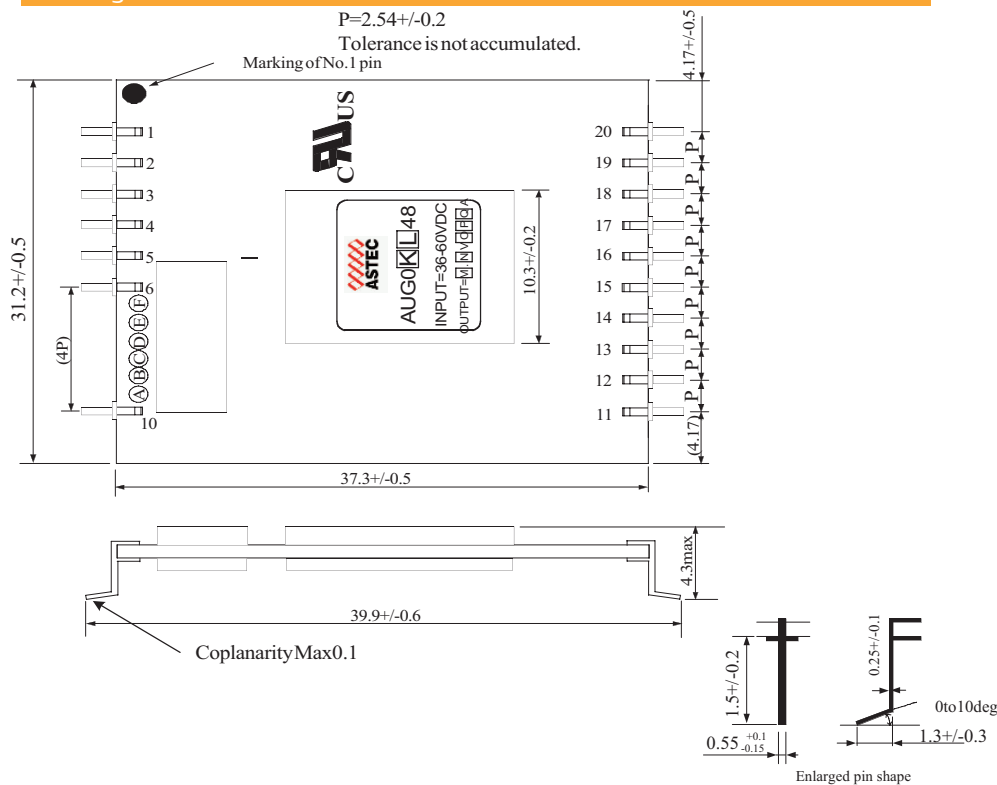
UL 60950
CE CE Mark



Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
48V	1.2V @ 5.2A	82% (Typ)	AUG05K48
48V	1.8V @ 4.5A	84% (Typ)	AUG04Y48
48V	2.5V @ 4.5A	86% (Typ)	AUG04G48
48V	3.3V @ 4.5A	88% (Typ)	AUG04F48
48V	5.0V @ 3A	89% (Typ)	AUG03A48

Pin Assignment



Pin Assignments

Pin No	Symbol	Function	Pin No	Symbol	Function
1, 10, 11, 20	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	-	-
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

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