

Embedded Power for Business-Critical Continuity

## AUG Series

20 Watts

Total Power: 20 Watts  
 Input Voltage: 36V - 75V  
 # of Outputs: Single



Rev. 09.20.05  
 AUG Series  
 1 of 2

### Special Features

- Ultra Low Profile - 4.8mm
- Efficiency - 88% @ 5V
- -40°C to +75°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 (with derating)
Efficiency	88% @ 5Vo
Output	
Line / Load Regulation	+5%, -3%
Noise / Ripple	100mV p-p
OVP	115% of Vo <sub>nom</sub> (latch-up)
OCP	4.2A for 5V 6.2A for 3.3V 7.2A for 2.5V 8.2A for 1.5V and 1.8V
LVP	95% of Vo <sub>nom</sub> (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 +75°C (forced air 1.2m/s)
Storage temperature	-45°C to +90°C

### Safety

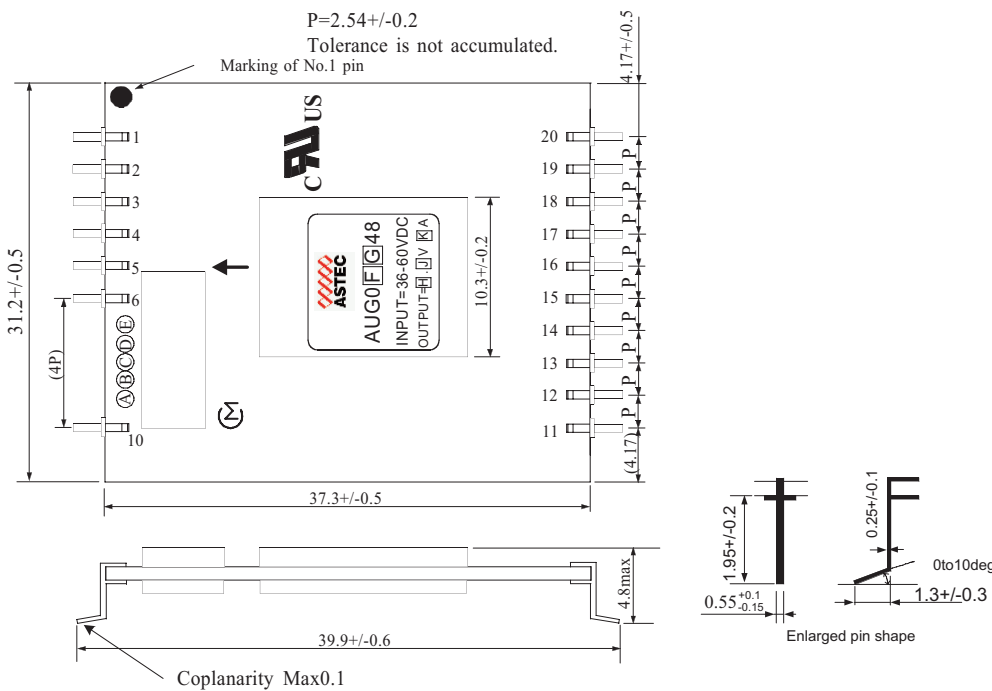
UL 60950  
 CE Mark



### Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
48V	1.5V @ 8A	83% (Typ)	AUG08M48
48V	1.8V @ 8A	84% (Typ)	AUG08Y48
48V	2.5V @ 7A	86% (Typ)	AUG07G48
48V	3.3V @ 6A	88% (Typ)	AUG06F48
48V	5.0V @ 4A	88% (Typ)	AUG04A48

### 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	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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