

AUG Series

30 Watts

Total Power: 30 Watts
Input Voltage: 36V - 75V
of Outputs: Single



Electrical Specifications

Input	
Input range	36 - 75 VDC
Efficiency	91% @ 5Vo
Output	
Line / Load Regulation	+5%, -3%
Noise / Ripple	50mV p-p
OVP	120% of $V_{o\text{nom}}$ (latch-up)
OCP	6.2A for 5V 9.3A for 3.3V 10.3A for 2.5V 11.3A for 1.5V and 1.8V
LVP	95% 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

Special Features

- Ultra Low Profile - 4.4mm
- Efficiency - 91% @ 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

Safety

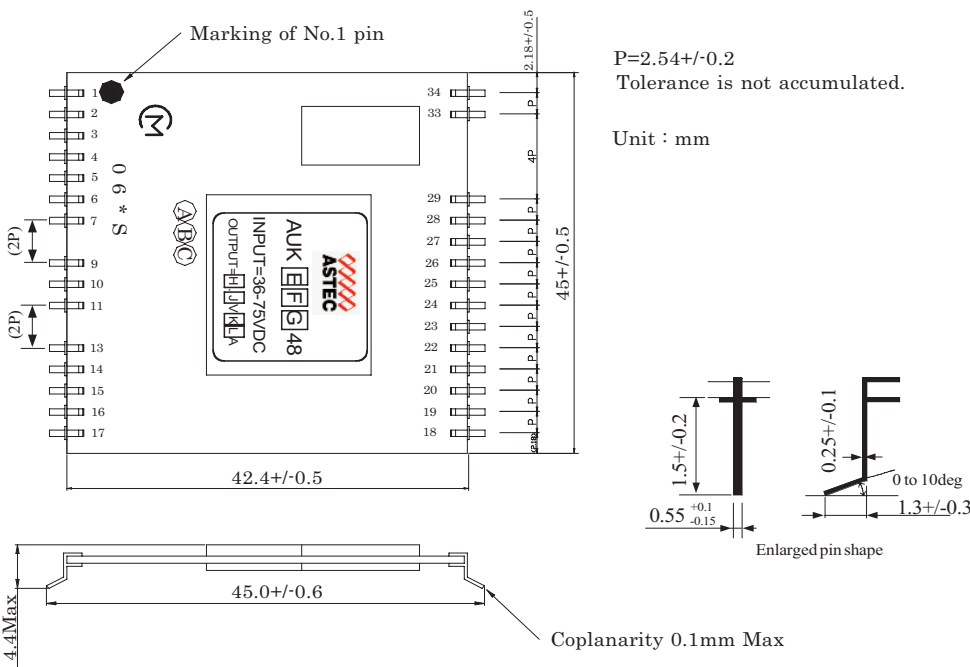
UL 60950
CE CE Mark



Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
48V	1.5V @ 11A	85% (Typ)	AUK11M48
48V	1.8V @ 11A	86% (Typ)	AUK11Y48
48V	2.5V @ 10A	89% (Typ)	AUK10G48
48V	3.3V @ 9A	90% (Typ)	AUK09F48
48V	5.0V @ 6A	91% (Typ)	AUK06A48

Pin Assignment



Pin Assignments

Pin No	Symbol	Function	Pin No	Symbol	Function
1, 2, 16,	NC	Mechanical supplemental contact pins	11	-Vin	Input
19, 33,	-	-	13	+Vin	Input
3	ALM	Alarm output	14	+Vin	Input
4	NC	-	15	+Vin	Input
5	RC	-Remote On/Off control	20	+Vin	Output
6	NC	-	21	+Vin	Output
7	PO	Parallel Operation	22	+Vin	Output
9	-Vin	Input	23	+Vin	Output
10	-Vin	Input	24, 25, 26	-Vout	Output
			27, 28, 29		

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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