

AUG Series

30 Watts

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



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

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 Vo _{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 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

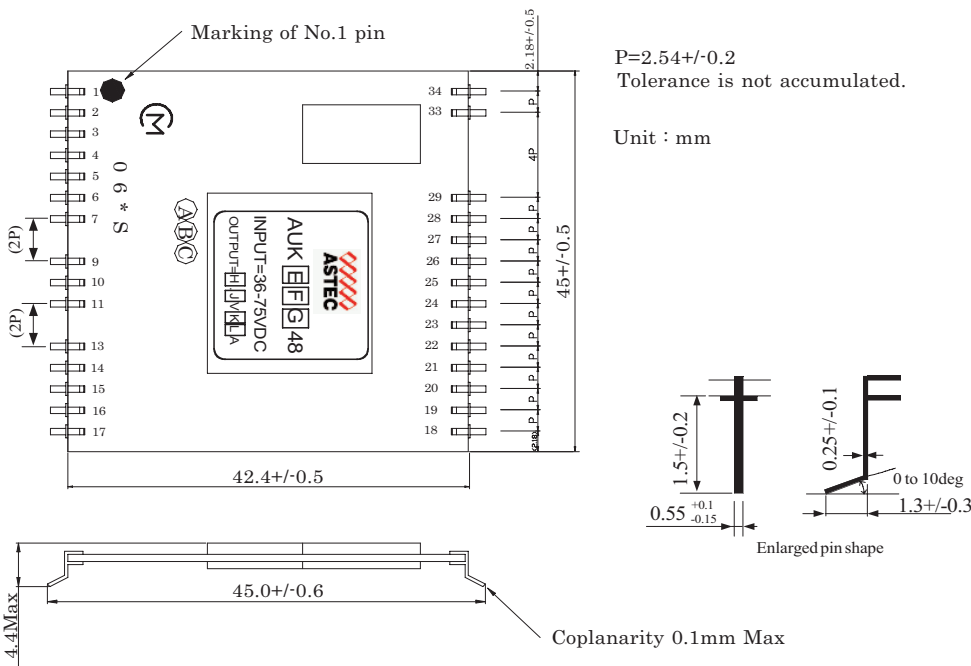
UL 60950
CE CE Mark



Ordering Information

| Input Voltage | Output Voltage | Efficiency | Model Number |
|---------------|----------------|------------|--------------|
| 48V | 1.5V @ 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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Printed in USA

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