



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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50-150 Watts

AEH10-30

Total Power: 50-150 Watts
 Input Voltages: 24V,48V
 No. of Outputs: Single



Electrical Specs

Input

Input range	36-75 VDC
Input Surge	100V / 100ms
Efficiency	89%@5V

Output

Load regulation	0.2% max
Line regulation	0.5% max
Ripple and noise	150mV max
Output voltage adjust range	±10% of nominal output
Transient Response	1% max deviation with 50% to 75% full load 100 μS (max) recovery

Control

Voltage Adjust	90 to 110%
Enable	TTL compatible (positive & negative enable options)

Special Features

- Industry standard pin-out & performance 100°C baseplate temperature (no derating)
- Positive and negative enable function
- Low output ripple and noise
- Remote sense compensation
- Regulation to zero load
- Fixed frequency switching (330 kHz)

Environmental

Operating case temperature range:

-40°C to +100°C

Storage temperature: -55°C to +125°C

MTBF: >2 million hours

Safety

UL	UL1950
CSA	CSA22.2-950
TUV	EN60950

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AEH10-30

Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
18-36V	2.5V @ 10A	86%	AEH10G24
18-36V	3.3V @ 10A	87%	AEH10F24
18-36V	5.0V @ 10A	88%	AEH10A24
18-36V	2.5V @ 20A	85%	AEH20G24
18-36V	3.3V @ 20A	87%	AEH20F24
18-36V	5.0V @ 20A	88%	AEH20A24
36-72V	2.5V @ 10A	86%	AEH10G48
36-72V	3.3V @ 10A	87%	AEH10F48
36-72V	5.0V @ 10A	89%	AEH10A48
36-72V	2.5V @ 15A	85%	AEH15G48
36-72V	3.3V @ 15A	87%	AEH15F48
36-72V	5.0V @ 15A	89%	AEH15A48
36-72V	2.5V @ 20A	87%	AEH20G48
36-72V	3.3V @ 20A	89%	AEH20F48
36-72V	5.0V @ 20A	90%	AEH20A48
36-72V	1.8V @ 30A	82%	AEH30Y48
36-72V	2.5V @ 30A	85%	AEH30G48
36-72V	3.3V @ 30A	87%	AEH30F48
36-72V	5.0V @ 30A	89%	AEH30A48

NOTES:

Enable Function

"N" = negative logic enable (without "N" = positive enable)

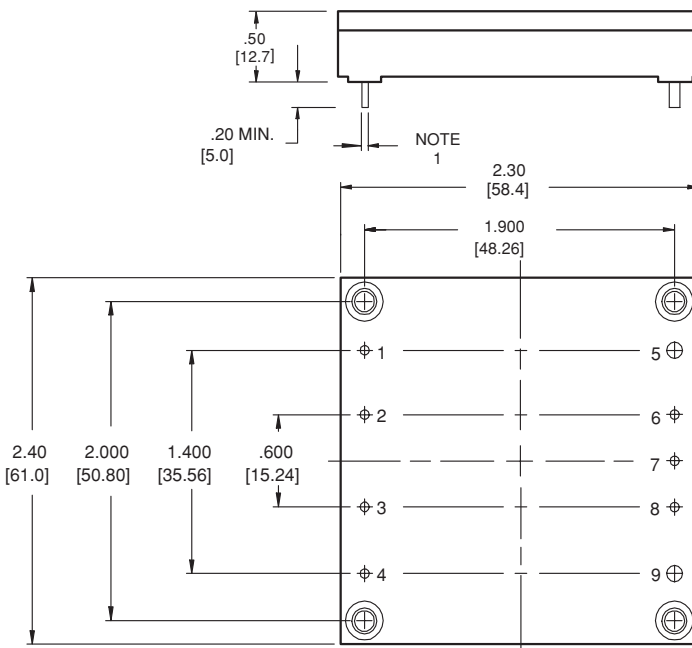
Pin Assignments

Single Output

1. -Vin
2. Case
3. Enable (on/off)
4. +Vin
5. -5V Rtn
6. -Sense
7. Trim
8. +Sense
9. +5V Out

Notes:

1. 20 mHz bandwidth. An external 2.2 mf ceramic capacitor is recommended to be placed from +V out to -V out.
2. Requires a 2.2 mf, 100V film capacitor connected between +V in and -V in to meet FCC class A and ETS300-386-1 requirements for conducted noise. Consult Factory for filtering information to meet FCC class B, VDE or EIC specifications.
3. All specifications are typical at nominal line, full load, and 25°C unless otherwise noted.
4. All specifications subject to change without notice. Mechanical drawings are for reference only.
5. Please refer to the Technical Reference Notes for more information.
6. Warranty: 1 yr



Mounting Inserts
 M3 X .5 (4 places)

BOTTOM VIEW