

## AEE Series

15 Watts

Total Power: 15 Watts  
Input Voltage: 12V, 24V or 48V  
# of Outputs: Single, Dual

### Special Features

- Encapsulated
- 4:1 input range
- 1" X 2" package
- 1500Vdc I/O isolation
- Single and Dual output

### Safety

CE Mark



Rev. 03.03.06  
AEE 15W Series  
1 of 2

## Electrical Specifications

Input	
Input range	9 to 36 VDC; 18 to 75 VDC
Efficiency <sup>2</sup>	84%@12Vo
Output	
Voltage tolerance	±2.0%
Line regulation	±0.5%
Load regulation	Single output: ±1.0% Dual output: ±TBD%
Noise/ripple	3.3Vo: 100mV 5.0Vo: 100mV 12Vo: 120mV 15Vo: 120mV
Short circuit protection	Auto-restart
Switching frequency	300KHz
Temperature coefficient	±0.02 /°C
Isolation	
I/O isolation	1500 VDC min.
Insulation resistance	10Mohm
Insulation capacitance	1000pF

## Environmental Specifications

Operating ambient temperature range	-40°C to +71°C (no derating)
Storage temperature	-55°C to +105°C
Humidity	5% to 95% (non-condensing)
MTBF	>1 Million hours
RoHS Compliant	



## Ordering Information

Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power	Model Number
9-3 6V	3.3V @ 4A		13.2W	AEE04F18-L
9-3 6V	5V @ 3A		15W	AEE03A18-L
9-3 6V	12V @ 1.25A		15W	AEE01B18-L
9-3 6V	15V @ 1A		15W	AEE01C18-L
9-3 6V	5V @ 1.5A	-5V @ 1.5A	15W	AEE01AA18-L
9-3 6V	12V @ 0.625 A	-12V @ 0.625A	15W	AEE00BB18-L
9-3 6V	15V @ 0.5A	-15V @ 0.5A	15W	AEE00CC18-L
18-75V	3.3V @ 4A		13.2W	AEE04F36-L
18-75V	5V @ 3A		15W	AEE03A36-L
18-75V	12V @ 1.25A		15W	AEE01B36-L
18-75V	15V @ 1A		15W	AEE01C36-L
18-75V	5V @ 1.5A	-5V @ 1.5A	15W	AEE01AA36-L
18-75V	12V @ 0.625 A	-12V @ 0.625A	15W	AEE00BB36-L
18-75V	15V @ 0.5A	-15V @ 0.5A	15W	AEE00CC36-L

Please contact Astec for information on other output voltages, power ranges and configurations.  
Available in RoHS 6 version only.

## 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](http://www.astecpower.com)  
[technicalsupport@astec.com](mailto:technicalsupport@astec.com)

While every precaution has been taken to ensure accuracy and completeness in this literature, Astec Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

Printed in USA

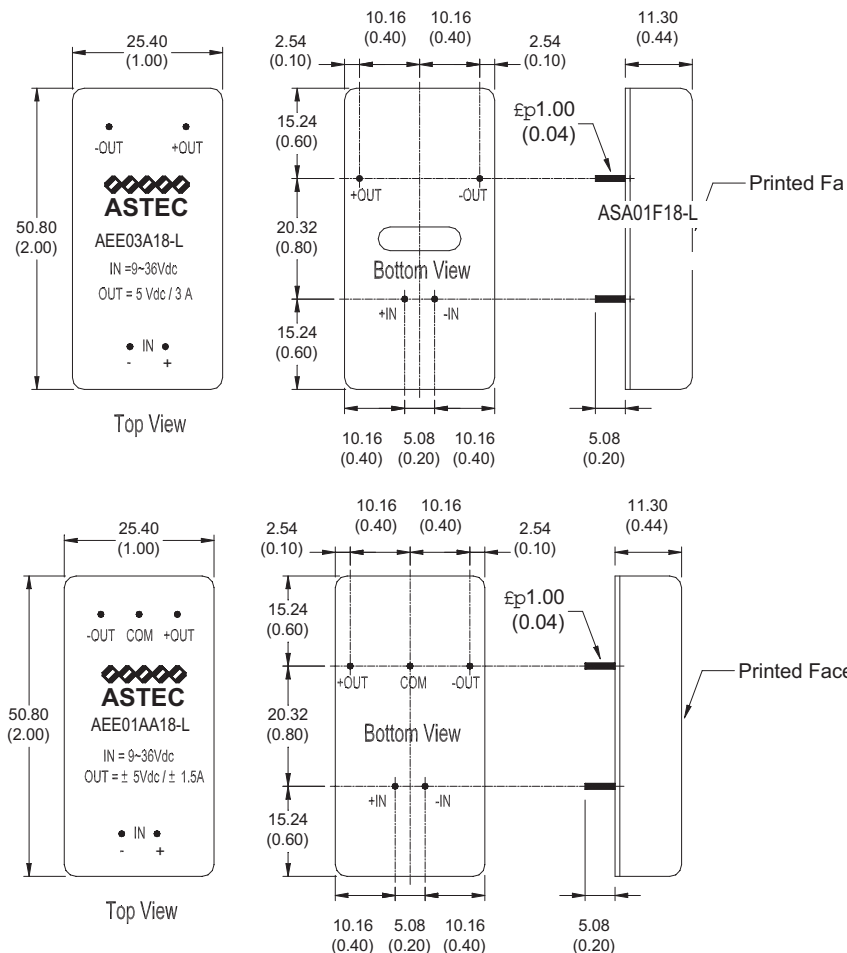
**Emerson Network Power.**  
The global leader in enabling  
business-critical continuity.

- AC Power
- Connectivity
- DC Power
- Embedded Power**
- Inbound Power
- Integrated Cabinet Solutions
- Outside Plant
- Precision Cooling
- Site Monitoring and Services

**EmersonNetworkPower.com**

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co.  
©2006 Emerson Electric Co.

## Mechanical Drawing



## Notes:

- All specifications subject to change without notice. Mechanical drawings are for reference only.
- Warranty: 1 yr
- Label and logo appearance may vary from what is shown on mechanical drawings.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Emerson Network Power:

[AEE01AA36-L](#) [AEE01AA18-L](#) [AEE04F36-L](#) [AEE01C36-L](#) [AEE00BB36-L](#) [AEE01B36-L](#) [AEE04F18-L](#) [AEE00CC18-L](#) [AEE00CC36-L](#) [AEE01C18-L](#) [AEE03A18-L](#) [AEE00BB18-L](#) [AEE03A36-L](#) [AEE01B18-L](#)