

# 15 Watts

## AEE Series

Total Power: 15 Watts  
 Input Voltages: 12V, 24V or 48V  
 No. of Outputs: Single, Dual



### Special Features

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

### Environmental

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 Mhrs demonstrated MTBF  
 ROHS Compliant (Rev02 or above)

### Safety

CE mark

### Electrical Specs

#### Input

Input range 9 to 36 VDC; 18 to 75 VDC  
 Efficiency 84% @ 12Vo

#### Output

Voltage tolerance  $\pm 2.0\%$   
 Line regulation  $\pm 0.5\%$   
 Load regulation Single output:  $\pm 1.0\%$   
 Dual output:  $\pm \text{TBD}\%$   
 Noise/ripple 3.3Vo: 100mV  
 5.0Vo: 100mV  
 12Vo: 120mV  
 15Vo: 120mV

Short circuit protection Auto-restart  
 Switching frequency 300KHz  
 Temperature coefficient  $\pm 0.02\% / ^\circ\text{C}$

#### Isolation

I/O isolation 1500 VDC min  
 Insulation resistance 10Mohm  
 Insulation capacitance 1000pF

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ASIA

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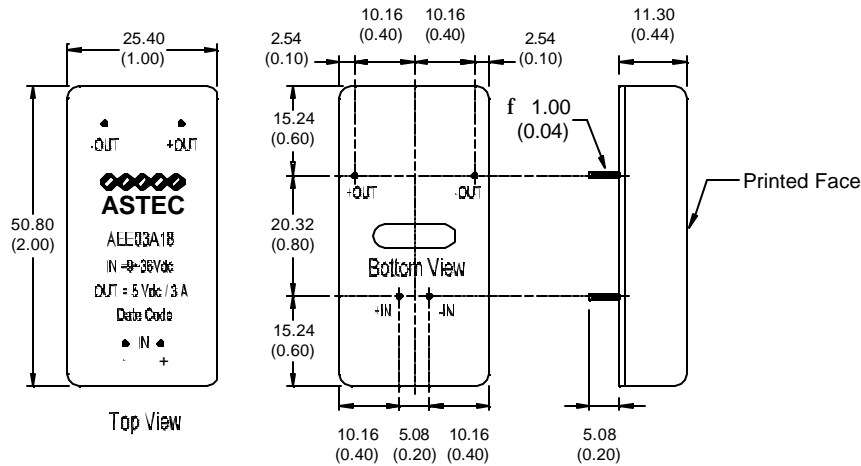
AEE 15W

## Ordering Information

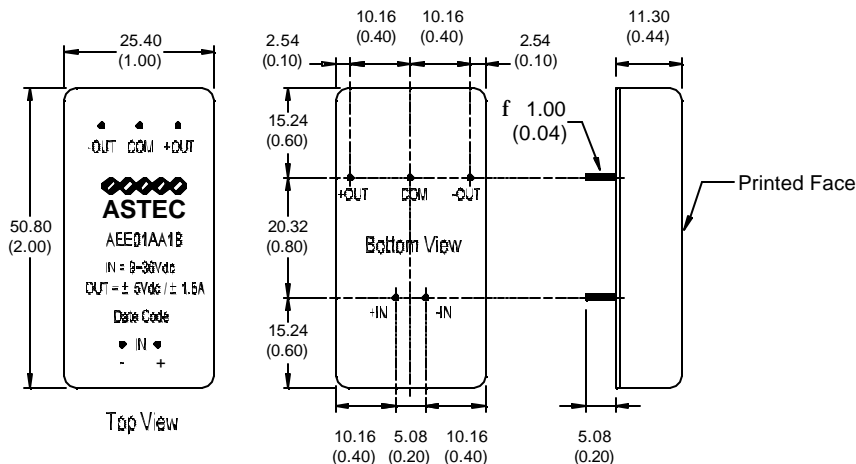
Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power	Model Number
9-36V	3.3V @ 4A		13.2W	AEE04F18
9-36V	5V @ 3A		15W	AEE03A18
9-36V	12V @ 1.25A		15W	AEE01B18
9-36V	15V @ 1A		15W	AEE01C18
9-36V	5V @ 1.5A	-5V @ 1.5A	15W	AEE01AA18
9-36V	12V @ 0.625 A	-12V @ 0.625A	15W	AEE00BB18
9-36V	15V @ 0.5A	-15V @ 0.5A	15W	AEE00CC18
18-75V	3.3V @ 4A		13.2W	AEE04F36
18-75V	5V @ 3A		15W	AEE03A36
18-75V	12V @ 1.25A		15W	AEE01B36
18-75V	15V @ 1A		15W	AEE01C36
18-75V	5V @ 1.5A	-5V @ 1.5A	15W	AEE01AA36
18-75V	12V @ 0.625 A	-12V @ 0.625A	15W	AEE00BB36
18-75V	15V @ 0.5A	-15V @ 0.5A	15W	AEE00CC36

Please contact Astec for information on other output voltages, power ranges and configurations.

## Pin Assignments



Single output



Dual output

### Notes:

- All specifications subject to change without notice. Mechanical drawings are for reference only.
- Warranty: 1 yr

Astec Conventional Power