

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

AMERICAS

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EUROPE

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ASIA

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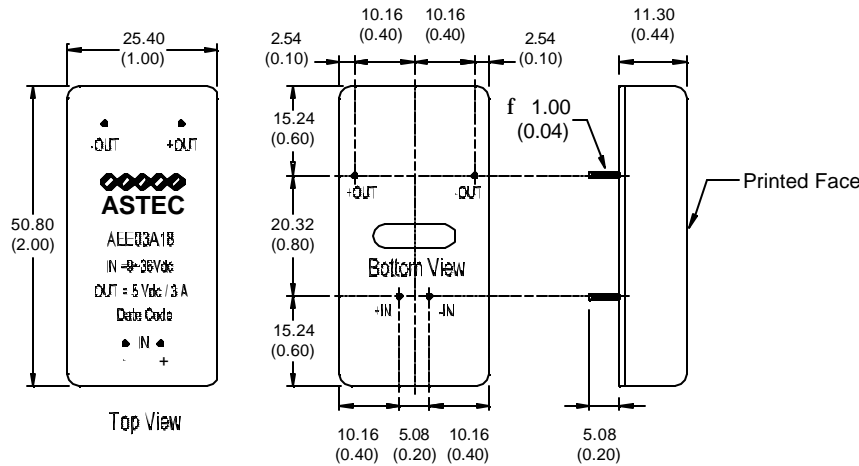
AEE 15W

Ordering Information

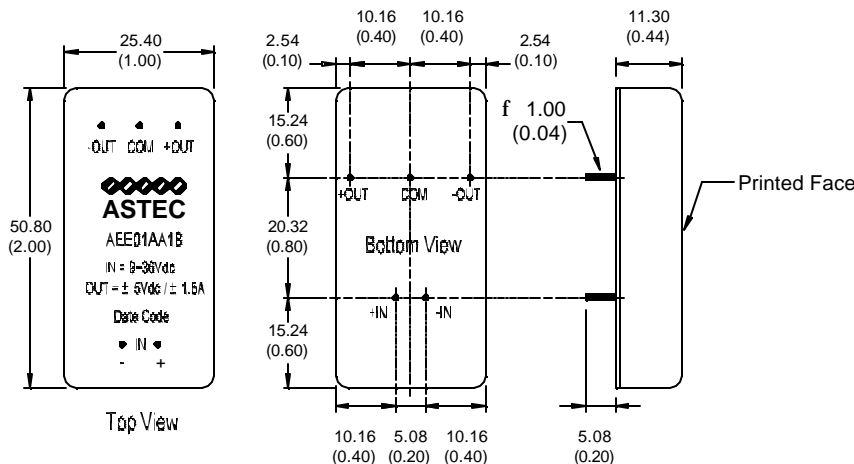
Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power	Model Number
9-36V	3.3V @ 4A		13.2W	AEE04F18
9-36V	5V @ 3A		15W	AEE03A18
9-36V	12V @ 1.25A		15W	AEE01B18
9-36V	15V @ 1A		15W	AEE01C18
9-36V	5V @ 1.5A	-5V @ 1.5A	15W	AEE01AA18
9-36V	12V @ 0.625 A	-12V @ 0.625A	15W	AEE00BB18
9-36V	15V @ 0.5A	-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