

15 Watts

AEE Series

Preliminary

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

Safety

UL	Pending
cUL	Pending
CE mark	Pending

Electrical Specs

Input

Input range	9 to 36 VDC; 18 to 75 VDC
Efficiency	86%@12Vo

Output

Voltage tolerance	±2.0%
Line regulation	±1.0%
Load regulation	Single output: ±0.5%
	Dual output: ±2.0%
Noise/ripple	3.3Vo: 40mV,
	5.0Vo: 50mV
	12Vo: 60mV
	15Vo: 70mV

Short circuit protection	Auto-restart
Overvoltage protection	TBD
Switching frequency	300KHz
Temperature coefficient	± 0.02% / °C

Isolation

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

AMERICAS

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EUROPE

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ASIA

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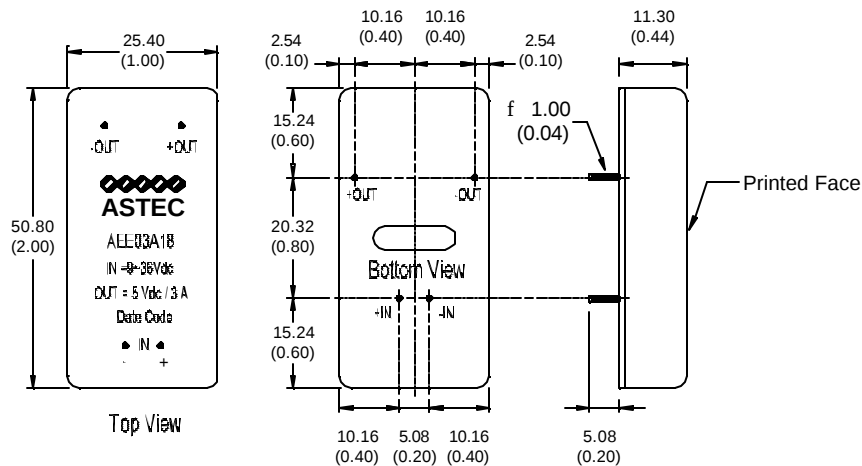
AEE 15W

Ordering Information

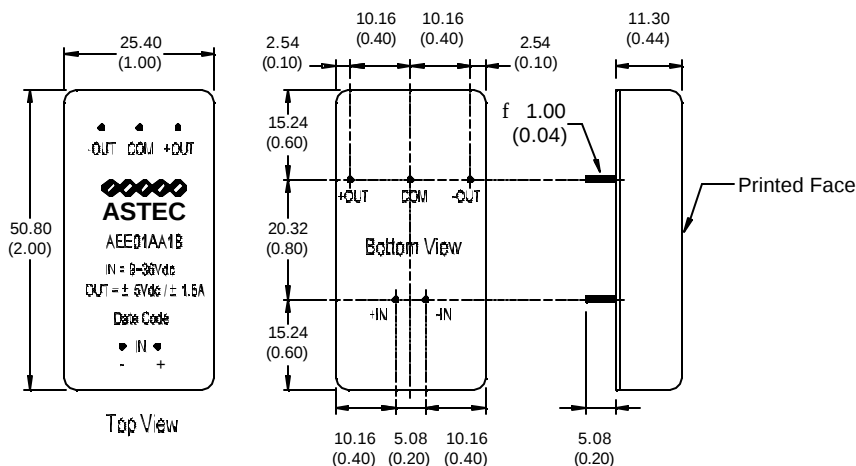
Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power	Model Number
9-36V	3.3V @ 4A		13.2W	AEE04F18
9-36V	5V @ 3A		15W	AEE03A18
9-36V	12V @ 1.25A		15W	AEE01B18
9-36V	15V @ 1A		15W	AEE01C18
9-36V	5V @ 1.5A	-5V @ 1.5A	15W	AEE01AA18
9-36V	12V @ 0.625 A	-12V @ 0.625A	15W	AEE00BB18
9-36V	15V @ 0.5A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