AEE Series

15 Watts

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



RoHS 2002/95/EC

Special Features

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

Safety

CE Mark

Electrical Specifications

Input	
Input range	9 to 36 VDC; 18 to 75 VDC
Efficiency[2]	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	

ASTEC

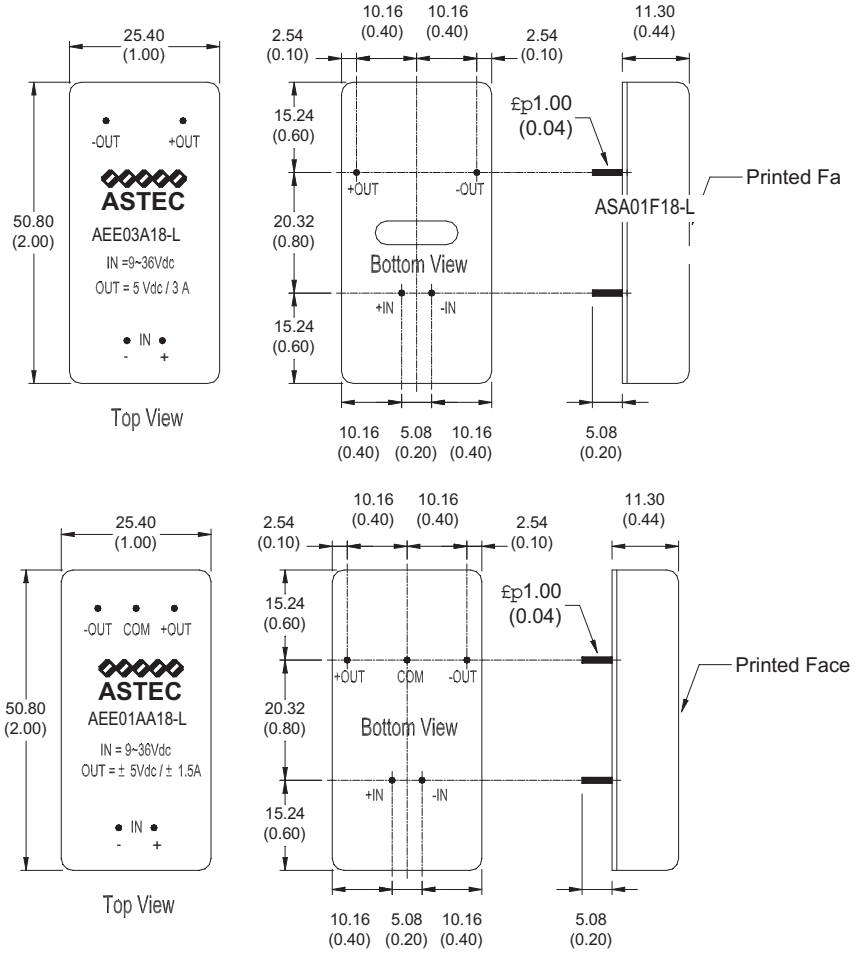
EMERSON Network Power

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.

Mechanical Drawing



Notes:

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

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