

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



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 | |



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.

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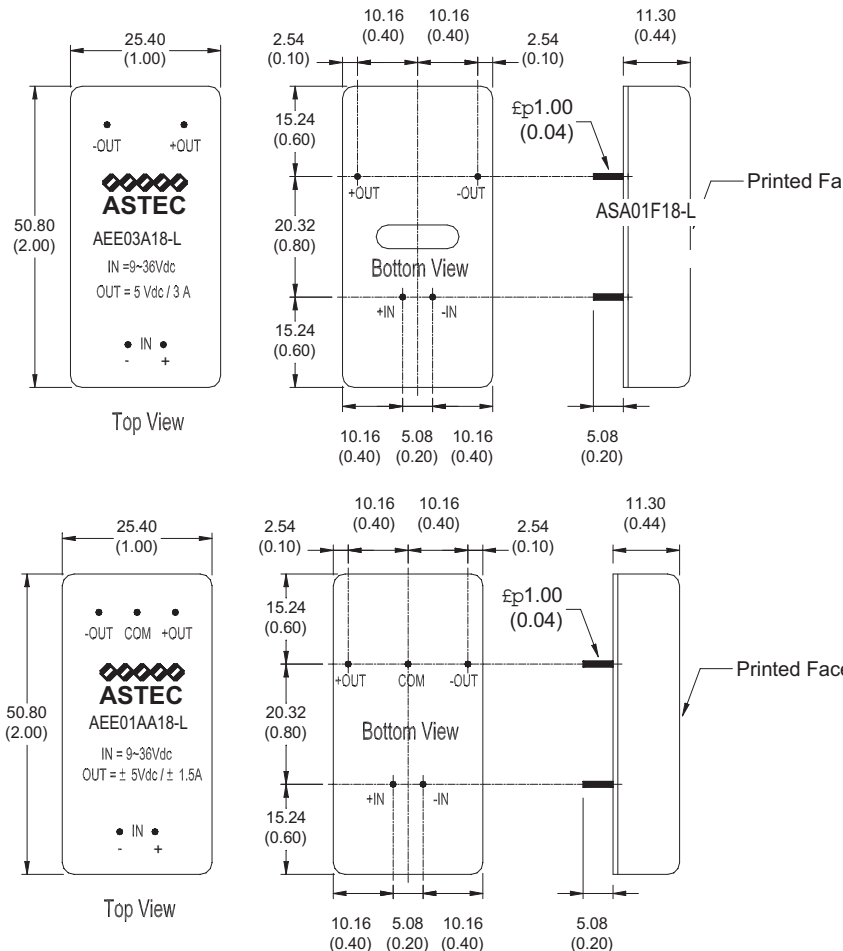
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Mechanical Drawing



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.

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