

## 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

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## Safety

CE Mark



## Electrical Specifications

| Input                    |                                                            |
|--------------------------|------------------------------------------------------------|
| Input range              | 9 to 36 VDC; 18 to 75 VDC                                  |
| Efficiency <sup>2</sup>  | 84%@12Vo                                                   |
| Output                   |                                                            |
| Voltage tolerance        | ±2.0%                                                      |
| Line regulation          | ±0.5%                                                      |
| Load regulation          | Single output: ±1.0%<br>Dual output: ±TBD%                 |
| Noise/ripple             | 3.3Vo: 100mV<br>5.0Vo: 100mV<br>12Vo: 120mV<br>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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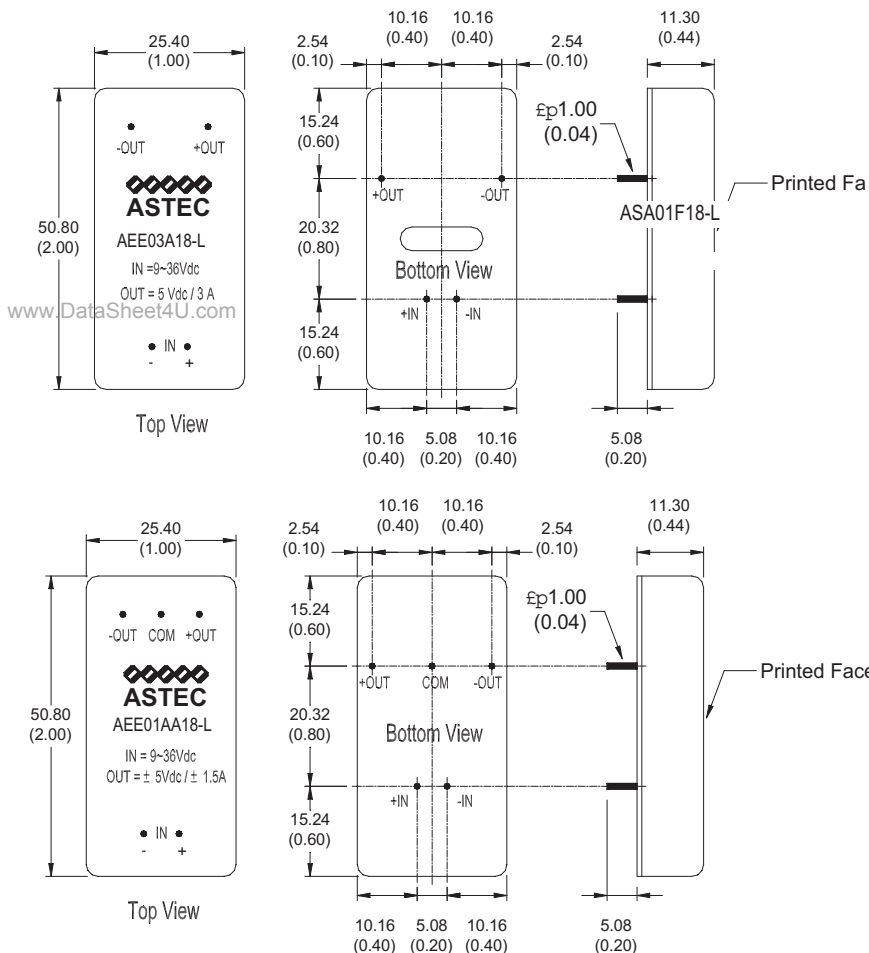
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### Mechanical Drawing



### 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.