



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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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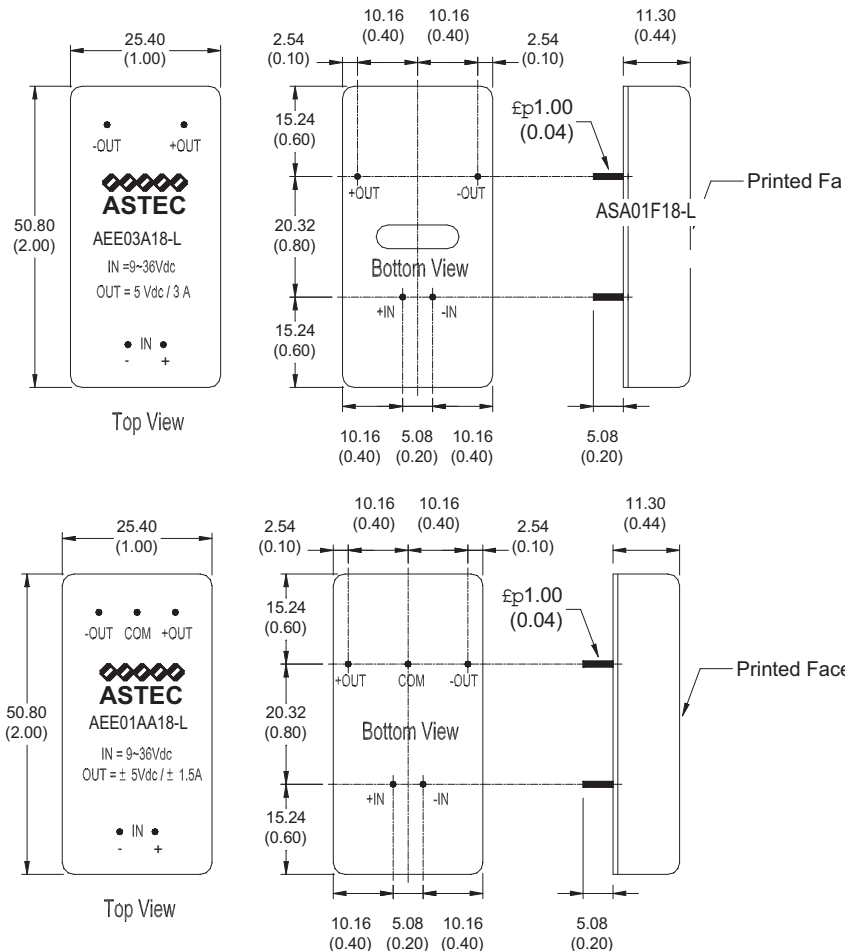
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Mechanical Drawing



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.