

## AEE Series

15 Watts

### Data Sheet

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

### SPECIAL FEATURES

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

### SAFETY

- UL 60950-1
- CE Mark



### Electrical Specifications

Input	
Input range:	9 to 36 VDC; 18 to 75 VDC
Efficiency <sup>2</sup> :	84% @ 12 Vo
Output	
Voltage tolerance:	±2.0%
Line regulation:	±0.5%
Load regulation:	Single output: ±1.0% Dual output: ±TBD%
Noise/ripple:	3.3 Vo: 100 mV 5.0 Vo: 100 mV 12 Vo: 120 mV 15 Vo: 120 mV
Short circuit protection:	Auto-restart
Switching frequency:	300 KHz
Temperature coefficient:	±0.02 /°C
Isolation	
I/O isolation:	1500 VDC min.
Insulation resistance:	10 Mohm
Insulation capacitance:	1000 pF typical

### 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	RoHS-6

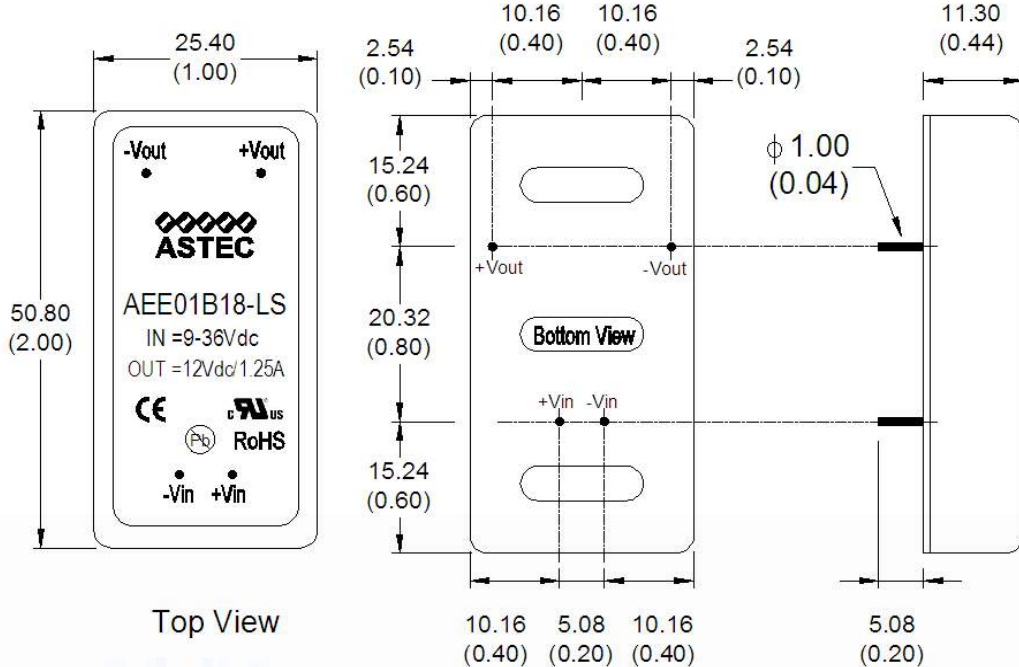
### Ordering Information

Model Number	Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power
AEE04F18-LS	9 - 36 V	3.3 V @ 4 A		13.2 W
AEE03A18-LS	9 - 36 V	5 V @ 3 A		15 W
AEE01B18-LS	9 - 36 V	12 V @ 1.25 A		15 W
AEE01C18-LS	9 - 36 V	15 V @ 1 A		15 W
AEE01AA18-LS	9 - 36 V	5 V @ 1.5 A	-5 V @ 1.5 A	15 W
AEE00BB18-LS	9 - 36 V	12 V @ 0.625 A	-12 V @ 0.625 A	15 W
AEE00CC18-LS	9 - 36 V	15 V @ 0.5 A	-15 V @ 0.5 A	15 W
AEE04F36-LS	18 - 75 V	3.3 V @ 4 A		13.2 W
AEE03A36-LS	18 - 75 V	5 V @ 3 A		15 W
AEE01B36-LS	18 - 75 V	12 V @ 1.25 A		15 W
AEE01C36-LS	18 - 75 V	15 V @ 1 A		15 W
AEE01AA36-LS	18 - 75 V	5 V @ 1.5 A	-5 V @ 1.5 A	15 W
AEE00BB36-LS	18 - 75 V	12 V @ 0.625 A	-12 V @ 0.625 A	15 W
AEE00CC36-LS	18 - 75 V	15 V @ 0.5 A	-15 V @ 0.5 A	15 W

Please contact Artesyn Embedded Technologies for information on other output voltages, power ranges and configurations. Available in RoHS 6 version only.

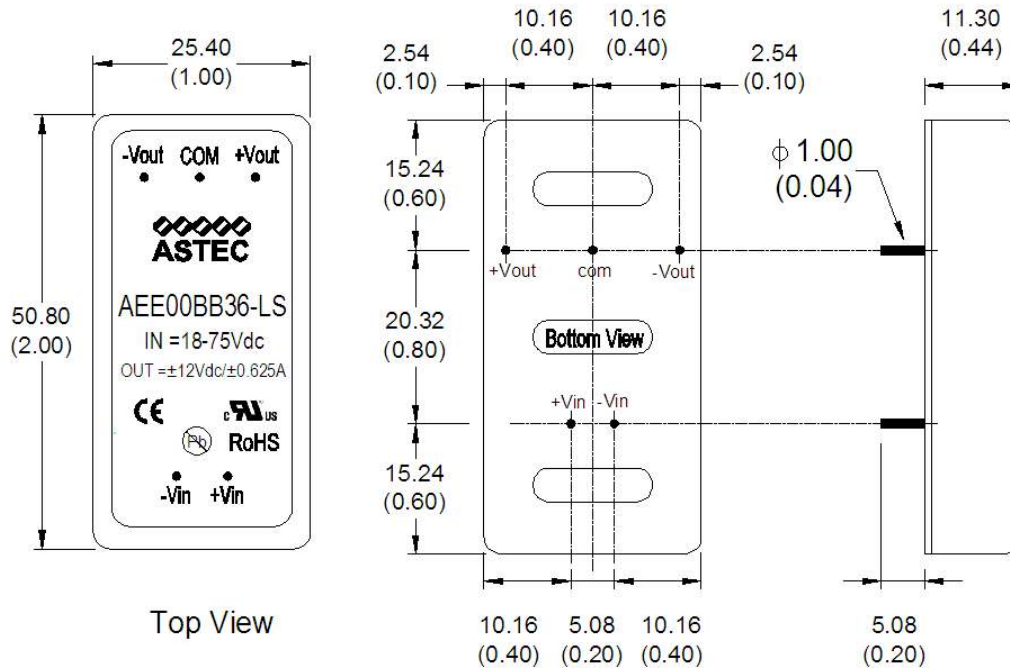
### Mechanical Drawings

#### Single Output



## Mechanical Drawings

### Dual Output



**Notes:**

1. All specifications are 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.

## WORLDWIDE OFFICES

### Americas

2900 South Diablo Way  
Suite B100  
Tempe, AZ 85282, USA  
+1 888 412 7832

### Europe (UK)

Ground Floor Offices, Barberry House  
4 Harbour Buildings, Waterfront West  
Brierley Hill, West Midlands  
DY5 1LN, UK  
+44 (0) 1384 842 211

### Asia (HK)

14/F, Lu Plaza  
2 Wing Yip Street  
Kwun Tong, Kowloon  
Hong Kong  
+852 2176 3333

**ARTESYN**<sup>™</sup>  
An Advanced Energy Company

[www.artesyn.com](http://www.artesyn.com)

Artesyn Embedded Technologies, Artesyn Embedded Power, Artesyn, and all Artesyn related logos are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. Specifications are subject to change without notice. © 2019 Artesyn Embedded Technologies, Inc. All rights reserved. For full legal terms and conditions, please visit [www.artesyn.com/legal](http://www.artesyn.com/legal).

For more information: [www.artesyn.com](http://www.artesyn.com)  
For support: [productsupport.ep@artesyn.com](mailto:productsupport.ep@artesyn.com)