

## AVE200 Series

132 Watts

### Data Sheet

**Total Power:** 132 Watts  
**Input Voltage:** 36 - 75 V  
**# of Outputs:** Single

### SPECIAL FEATURES

- 2:1 Wide input range
- Optimised for high density, small space applications
- Low ripple and noise
- Fixed switching frequency
- Super high efficiency
- High capacitive load capability
- Basic insulation system
- Aluminium substrate design

### SAFETY

- UL, cUL: UL60950
- TUV/CE: IEC/EN60950



### Electrical Specifications

Input	
Input range:	36 - 75 VDC
Efficiency:	89%
Output	
Voltage tolerance:	+/-1%
Line regulation:	10 mV
Load regulation:	20 mV
Noise/ripple:	150 mV
Over voltage protection:	Hiccup: Auto-restart
Over temperature protection:	Auto-restart
Switching frequency:	280 kHz
Temperature coefficient:	±0.02/°C
Isolation	
I/O isolation:	1500 VDC min.

### Environmental Specifications

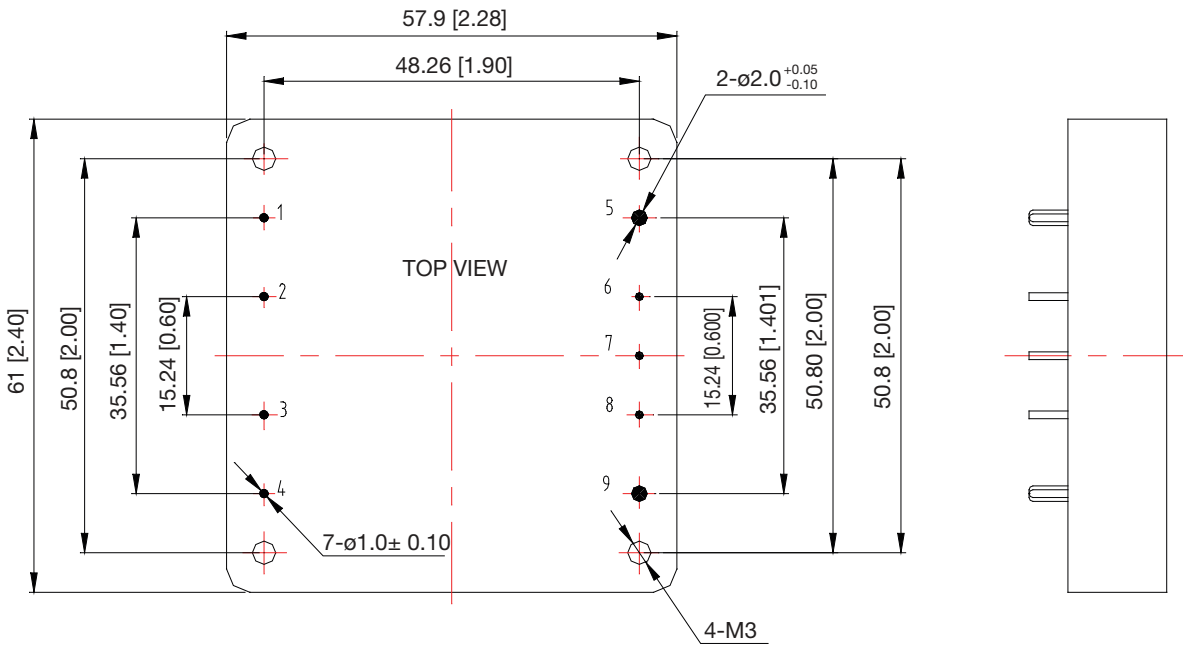
Operating ambient temperature range:	-40 °C to +70 °C
Storage temperature:	-55 °C to +125 °C
Humidity:	5% to 95% (non-condensing)
MTBF:	2 Million hours
RoHS Compliant	

### Ordering Information

Model number	Input voltage	Output voltage	Power
AVE200-48S3V3	36 - 75 Vin	3.3 V @ 40 A	132 W

- Standard version is negative enable
- "-M" = Thread hole fixture

### Mechanical Drawings



TOLERANCES: X.Xmm=+/-0.5mm  
X.XXmm=+/-0.25mm

#### Pin Length Option

Device Code Suffix	L
-4	4.8mm+/-0.5mm
-6	3.8mm+/-0.5mm
-8	2.8mm+0.5/-0.3mm
NONE	5.8mm+/-0.5mm

## Pin Designations

Pin No.	Function
1	Vin (+)
2	CNT
3	CASE
4	Vin (-)
5	Vo (+)
6	+SENSE
7	TRIM
8	-SENSE
9	Vo (-)

**Notes:**

Un-dimensioned components are for visual reference only.

## 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™**  
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)