

AVE200 Series

132 Watts

Data Sheet

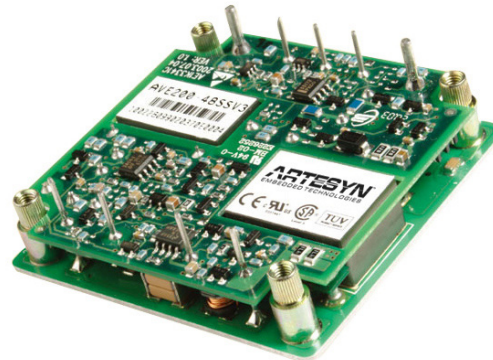
Total Power: 132 Watts
Input Voltage: 36 - 75 V
of Outputs: Single

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

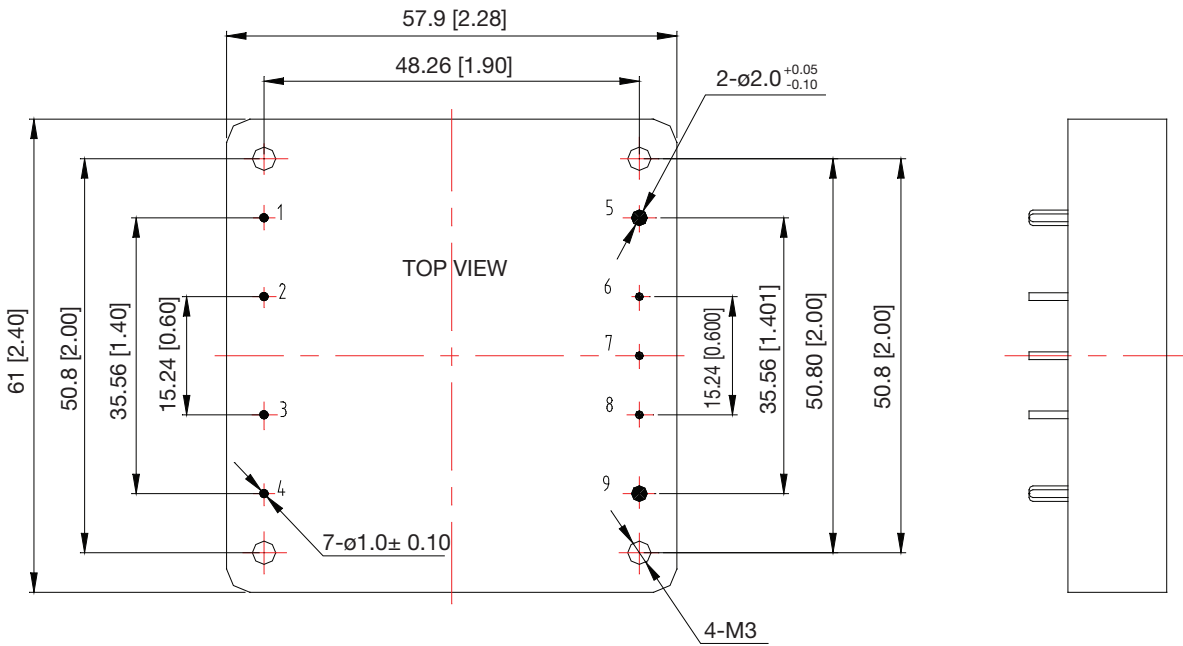
Operating ambient temperature range:	-40 °C to +70 °C
Storage temperature:	-55 °C to +125 °C
Humidity:	5% to 95% (non-condensing)
MTBF:	2 Million hours
RoHS Compliant	

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.

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