

AVE350-24 Series

350 Watts

Data Sheet

Total Power: 350 Watts
Input Voltage: 18 - 36V
of Outputs: Single

SPECIAL FEATURES

- 2:1 Wide input range
- Extra wide trim range
14 V - 33 V for 28 Vo
- 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:	18 - 36 VDC
Efficiency ² :	94%

Output

Voltage tolerance:	+/-1%
Line regulation:	±0.5%
Load regulation:	±0.5%
Noise/ripple:	300 mV
Over voltage protection:	Latch off
Over temperature protection:	Auto-restart
Switching frequency:	220 KHz
Temperature coefficient:	±0.02/°C

Isolation

I/O isolation:	1500 VDC min.
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Environmental Specifications

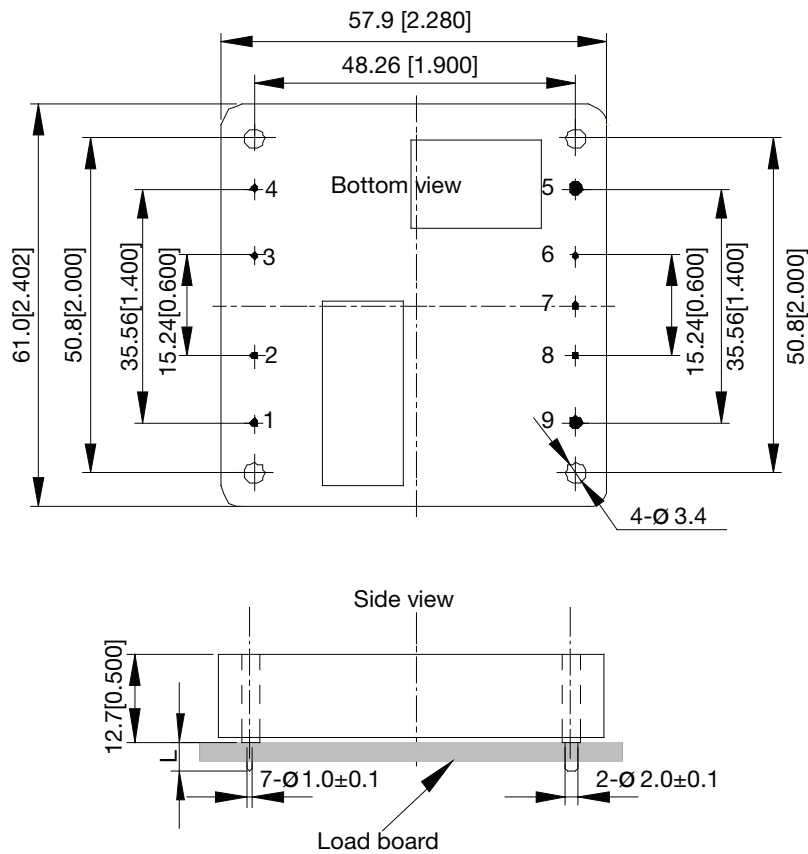
Operating ambient temperature range:	-40 °C to +85 °C
Storage temperature:	-55 °C to +125 °C
Humidity:	5% to 95% (non-condensing)
MTBF:	1 Million hours
RoHS Compliant	

Ordering Information

Model number	Input voltage	Output voltage	Power
AVE350-24S28-6	18-36 Vin	28 V @ 12.5 A	350 W
AVE350-24S28P-6	18-36 Vin	28 V @ 12.5 A	350 W

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-P" = Positive enable

Mechanical Drawings



Unit: mm[inch]

Bottom view: pin on upside

Tolerance: X.Xmm±0.5mm[X.X in.±0.02in.]
 X.XXmm±0.25mm[X.XX in.±0.01in.]

Pin length option

Device code suffix	L
-4	4.8mm ± 0.2mm
-6	3.8mm ± 0.2mm
-8	2.8mm ± 0.2mm
None	5.8mm ± 0.2mm

Pin Designations

Pin No.	Name	Function
1	V _{in+}	Positive input voltage
2	CNT	Remote control
3	Case	Pin connected to baseplate
4	V _{in-}	Negative input voltage
5	V _{o-}	Negative output voltage
6	S-	Negative sense
7	Trim	Output voltage trim
8	S+	Positive sense
9	V _{o+}	Positive output voltage

Notes:

1. All specifications are subject to change without notice. Mechanical drawings are for reference only.
2. Warranty: 2 years
3. Label and logo appearance may vary from what is shown on mechanical drawings.

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