

AVO240 Series

240 Watts

Data Sheet

Total Power: 240 Watts
Input Voltage: 41-75 V
of Outputs: Single

SPECIAL FEATURES

- 2:1 Wide input range
- Output voltage 12V
- Optimised for high density, small space applications
- Low ripple and noise
- Fixed switching frequency
- High efficiency
- High capacitive load capability
- Basic insulation system
- Pre-bias start-up capability
- Open-frame structure

SAFETY

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



Electrical Specifications

Input	
Input range:	41-75 Vdc
Efficiency ² :	94% @ 12Vo
Output	
Voltage tolerance:	11.6 - 12.2V
Line regulation:	+/- 0.3%
Load regulation:	+/- 0.5%
Noise/ripple:	70 mV
Over voltage protection:	Auto-restart
Over temperature protection:	
Switching frequency:	150 KHz
Temperature coefficient:	±0.02/°C
Isolation	
I/O isolation:	1500 Vdc min.

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:	1.5 Million hours
RoHS Compliant	

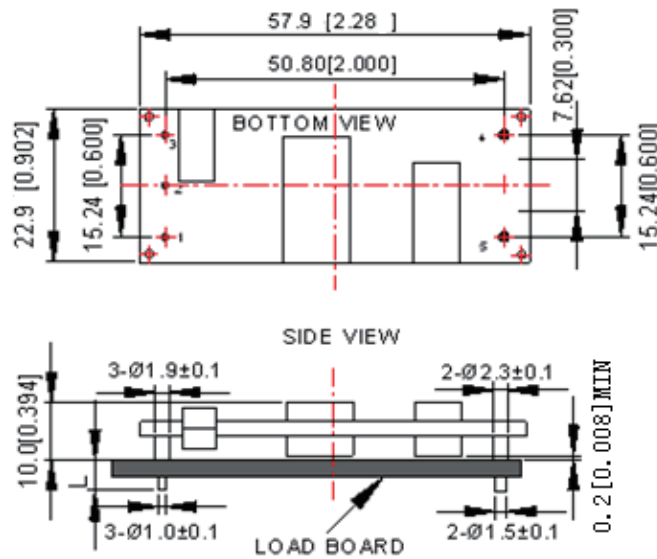
Ordering Information

Model number	Input voltage	Output voltage	Power
AVO240-48S12-6L	36 - 75 Vin	12V @ 20A	240W
AVO240-48S12B-6L	36 - 75 Vin	12V @ 20A	240W
AVO240-48S12P-6L	36 - 75 Vin	12V @ 20A	240W
AVO240-48S12PB-6L	36 - 75 Vin	12V @ 20A	240W

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-4" = 4.8mm pin length
- "-P" = Positive enable
- "-B" = baseplate

Mechanical Drawings

AVO240-48S12-6L

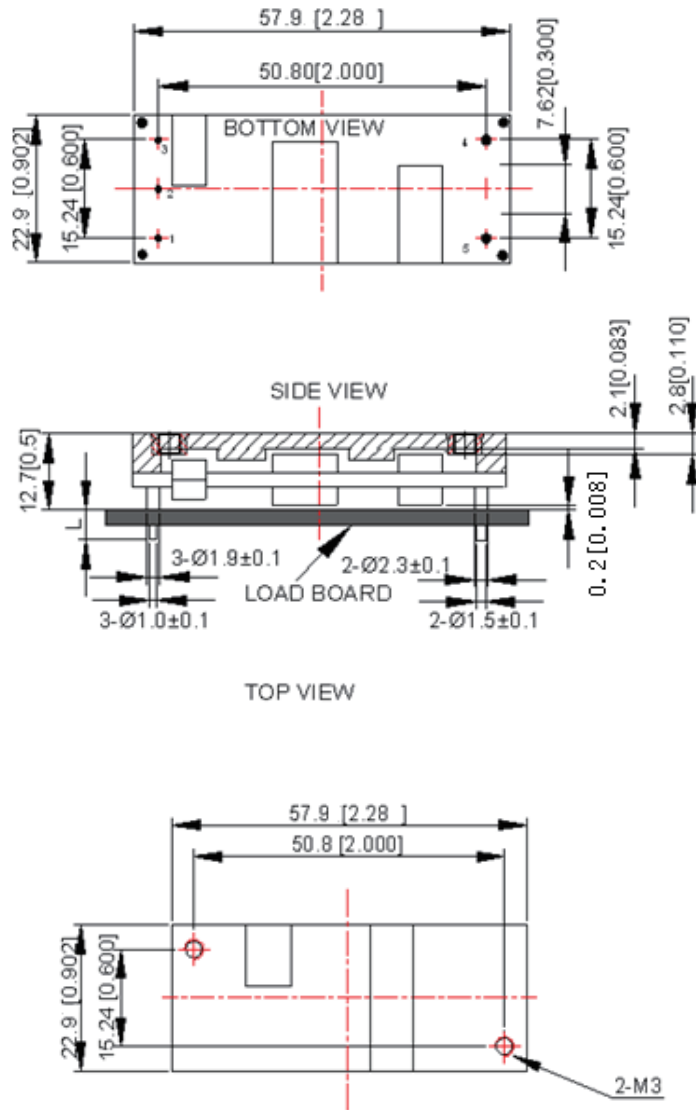


UNIT: mm[inch] BOTTOM VIEW: pin on upside

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

Mechanical Drawings

AVO240-48S12B-6L



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	Remote ON/OFF	Remote control
3	V_{in-}	Negative input voltage
4	V_{o-}	Negative output voltage
5	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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