POWER

AVO120 Series

120 Watts

Data Sheet

Total Power: 120 Watts
Input Voltage: 36 - 75 V
# of Outputs: Single



RoHS 6/6 COMPLIANT

SPECIAL FEATURES

- 2:1 wide input range
- 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
- Through-hole or SMT termination
- Open frame structure with baseplate option

SAFETY

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

Electrical Specifications

Input	
Input range	36 - 75 VDC
Efficiency[2]	93% @12 Vo
Output	
Maximum power	+/-1.6%
Line regulation	+/- 6 mV
Load regulation	+/- 10 mV
Noise/ripple	65 mV
Overvoltage protection Overtemperature protection	Auto-restart
Switching frequency	165 KHz
Temperature co-efficient	±0.02 /°C
Isolation	
I/O isolation	2000 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	

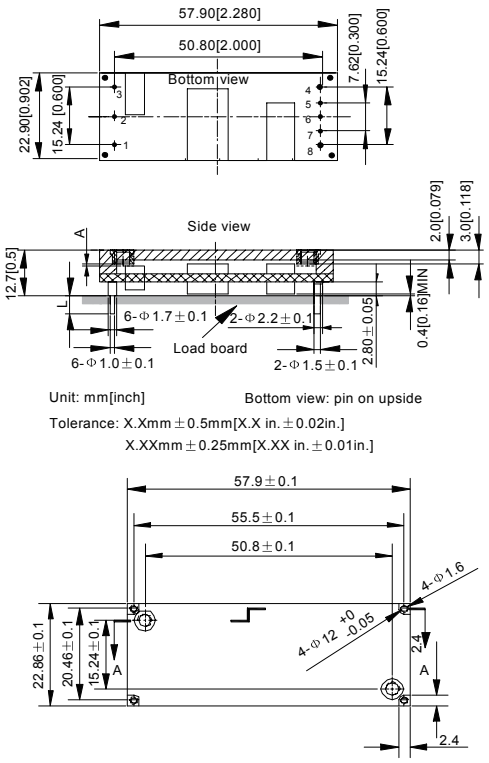
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Ordering Information

Model number	Input voltage	Output voltage	Power
AVO120-48S12-4L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12-6L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12B-4L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12B-6L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12P-4L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12P-6L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12PB-4L	36 - 75 Vin	12 V @ 10 A	120 W
AVO120-48S12PB-6L	36 - 75 Vin	12 V @ 10 A	120 W

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

Mechanical Drawings



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.

Pin Assignments

Pin #	Function
1	+V in
2	Enable
3	-V in
4	-V out
5	- Sense
6	Trim
7	+Sense
8	+V out

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