POWER

AVQ400 Series

396 Watts

Data Sheet

Total Power: 396 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
- Openframe structure with baseplate option
- Output over current protection

SAFETY

- UL, cUL: UL62368
- TUV/CE: IEC/EN62368

Electrical Specifications

Input	
Input range	36 - 75 VDC
Efficiency	95% @ 12 Vo
Output	
Voltage tolerance	+/-1.6%
Line regulation	24 mV
Load regulation	60 mV
Noise/ripple	3.3 Vo: 150 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto-restart
Switching frequency	140 KHz
Temperature co-efficient	±0.02/°C
Isolation	
I/O isolation	1500 VDC (2121 VDC for AVQ400-48S12B-6LN)

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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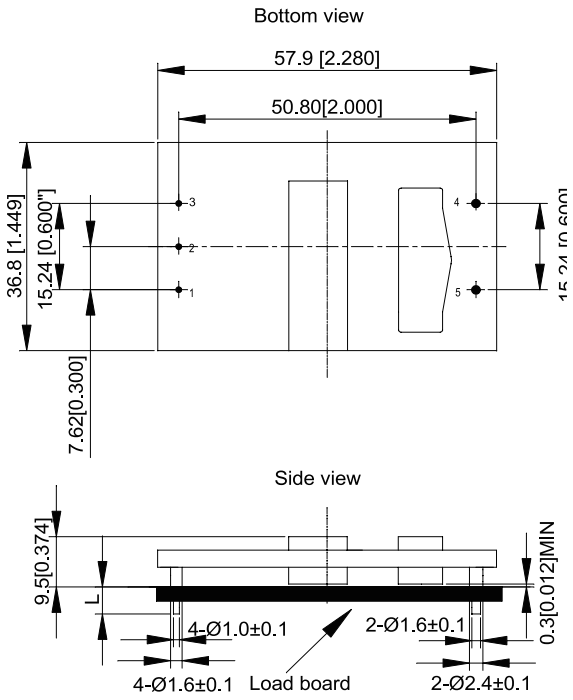
Ordering Information

Model number	Input voltage	Output voltage	Power
AVQ400-48S12B-4L	36 - 75 Vin	12 V @ 33 A	396 W
AVQ400-48S12B-6L	36 - 75 Vin	12 V @ 33 A	396 W
AVQ400-48S12PB-4L	36 - 75 Vin	12 V @ 33 A	396 W
AVQ400-48S12PB-6L	36 - 75 Vin	12 V @ 33 A	396 W
AVQ400-48S12B-6LN	36 - 75 Vin	12 V @ 33 A	396 W

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

Mechanical Drawings



Unit: mm[inch]

Bottom view: pin on upsi

Tolerance: X.Xmm±0.5mm[X.X in.±0.02in.]

X.XXmm±0.25mm[X.XX in.±0.01in.]

Pin Assignments

Pin #	Function
1	+V in
2	Enable
3	-V in
4	-V out
5	+V out

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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