

AVQ400 Series

396 Watts

Data Sheet

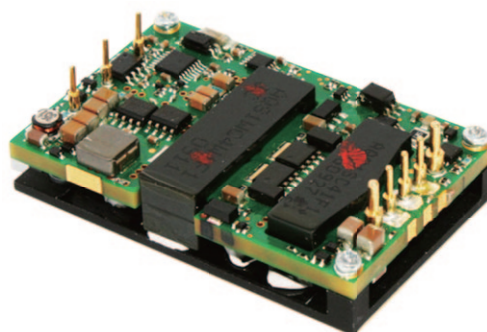
Total Power: 396 Watts
Input Voltage: 36 - 75 V
of Outputs: Single

SPECIAL FEATURES

- 2:1 Wide input range
- Optimised for High density, small space applications
- Low ripple and noise
- Fixed switching frequency
- High efficiency
- High capacitive load capability
- Basic insulation system
- Openframe structure with baseplate option
- Output over current protection

SAFETY

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



Electrical Specifications

Input	
Input range:	36 - 75 VDC
Efficiency:	95% @ 12Vo
Output	
Voltage tolerance:	+/-1.6%
Line regulation:	24mV
Load regulation:	60mV
Noise/ripple:	3.3 Vo: 150mV
Over voltage protection:	Hicup
Over temperature protection:	Auto-restart
Switching frequency:	140KHz
Temperature coefficient:	±0.02/°C
Isolation	
I/O isolation:	1500 VDC min.

Environmental Specifications

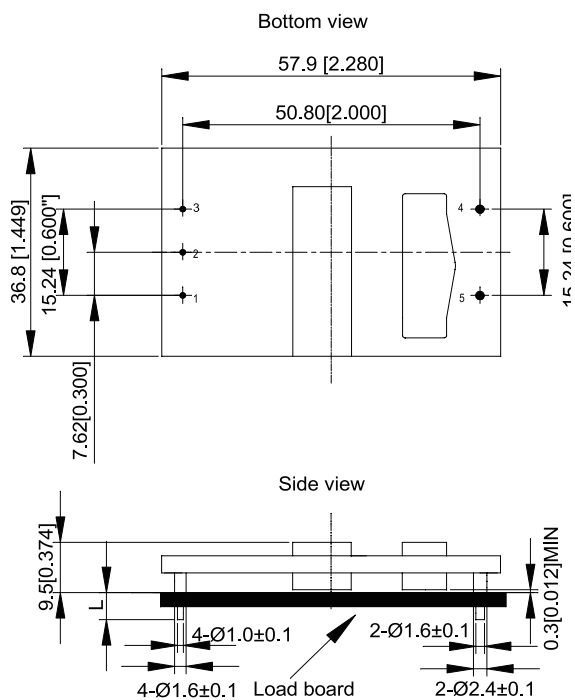
Operating ambient temperature range:	-40°C to +85°C
Storage temperature:	-55°C to +125°C
Humidity:	5% to 95% (non-condensing)
MTBF:	1.5 Million hours
RoHS Compliant	

Ordering Information

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

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-4" = 4.8mm pin length
- "-L" = RoHS6 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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