

Features

- Standard quarter brick:
2.3" × 1.5" × 0.5"
(57.9mm × 36.8mm × 12.7mm)
- 2:1 input voltage: 36~75V
- Output power:
220W, 360W, 400W, 420W
- Isolated output: 12V
- Super high efficiency: 94.5%
- Functions:
Remote control,
Input UVL, output OVP and OCP, OTP
Open frame structure with base plate
option.
- Isolation: Basic insulation

Environmental

- Operating temperature range:
-40°C~85°C
- Over temperature protection: 125°C
- Storage temperature: -55°C~125°C
- MTBF: >2.0 million hrs

Safety

- UL UL60950
- TUV/CE IEC/EN60950

Electrical Specifications

Input

Input range: 36~75 Vdc

Output

Voltage setpoint accuracy 11.4~12.6V
Line regulation 5% Vo max
Load regulation 3% Vo max
Ripple and noise 300mV p-p max
Transient response 400mV max
(AVQ220W/360W/420W)
600mV max
(AVQ220B/400B)
700μs max
(25% step load change
from 50%, di/dt: 0.1A/μs)

Control

Control voltage
Positive logic
High=on 3.5~5 Vdc
Low=off -0.7~1.2 Vdc
Negative logic
High =off 3.5~5 Vdc
Low=on -0.7~1.2 Vdc
Control current 2.0mA max

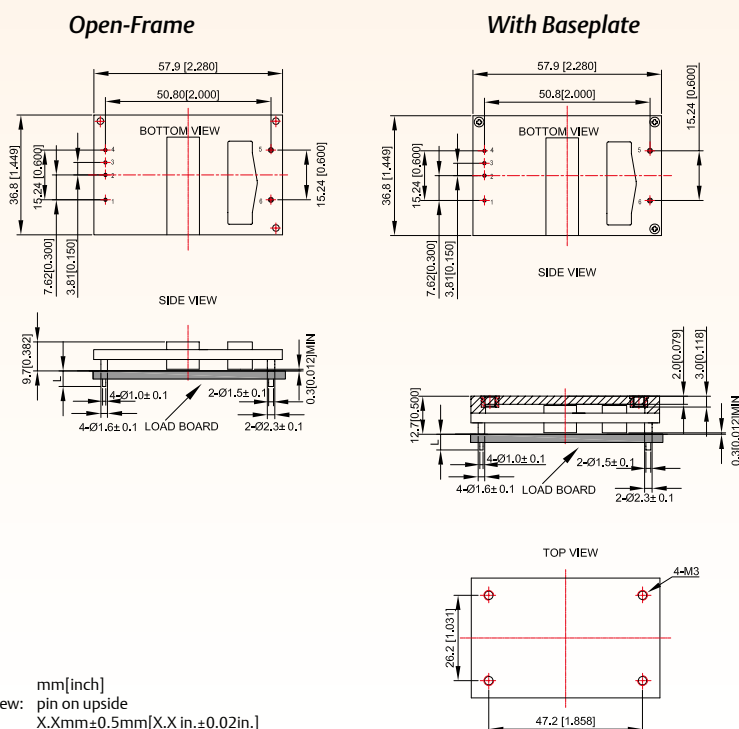


Ordering Information

Input voltage	Output voltage	Output current	Efficiency	Model number
48V	12V	18A	95%	AVQ220W-48S12
48V	12V	18A	94%	AVQ220B-48S12
48V	12V	30A	94.5%	AVQ360W-48S12
48V	12V	33A	94.5%	AVQ400B-48S12
48V	12V	35A	94.5%	AVQ420W-48S12

Dimensions

AVQ220B/400B:



Pin Assignments

1. +Vin
2. CNT
3. Case
4. -Vin
5. -Vout
6. +Vout

Pin Length

4.8mm	-4
3.8mm	-6
2.8mm	-8
5.8mm	None