

[查询"AEQ20B48"供应商](#)

20 Amps

Total Power: 240W
 Input Voltages: 48
 No. of Outputs: 1

ALQ/AEQ20B48



Electrical Specs

Input

Input Range 36 to 75 VDC
 Input Surge 100V /100ms
 Efficiency 93% (Typical)

Output

Line Regulation ± 0.1% (Typical)
 Load Regulation ± 0.1% (Typical)
 Noise/Ripple¹ 60mV (Typical)
 Transient Response 5% deviation
 (50% to 75% step load)
 < 250µs settling time
 Over Current protection 130% I_o (autorecovery)
 Over Voltage protection 120% V_o (autorecovery)
 Over Temperature Protection 115°C average PCB temperature
 (autorecovery)
 Switching Frequency 150kHz
 Isolation Voltage 2250 Vdc

Control

Enable On/Off Positive or Negative Logic Options
 TTL Compatible

Special Features

- Quarter brick industry standard outline
- Baseplate or openframe low profile construction
- Industry Standard features : Input UVLO with hysteresis, Enable, OVP, OCP, OTP, output Voltage Trim, Differential Remote Sense
- Fixed switching frequency for EMI predictability
- Prebias startup capable
- RoHS compliant
- Meets basic insulation

Environmental

Ambient air operating temperature range:
 -40°C to +85°C
 Storage temperature: -40°C to +125°C
 MTBF: > 1 million hours

Safety

UL, cUL 60950 (Pending)
 TUV EN60950 (Pending)

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Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency ²	Model Number
36V to 75V	12V	20A	93% Typ	ALQ20B48(N)-(6)
36V to 75V	12V	20A	93% Typ	AEQ20B48(N)-(6)

OPTIONS

- (N) : = designates Negative Logic Enable (default is Positive Enable with no suffix "N" required)
- (6) : = denotes 3.7mm Pin length (default is 5mm)
- ALQ: = openframe construction
- AEQ: = baseplate construction

Pin Assignments

1. + Vin
2. Enable On/Off
3. - VIN
4. - Vo
5. - Sense
6. Trim
7. + Sense
8. +Vo

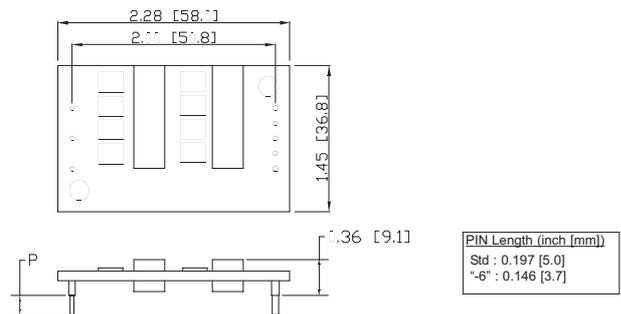
Notes:

1. Measured at 20MHz bandwidth with external 10 uF tant. capacitor in parallel with 1 uF ceramic capacitor across +Vo and -Vo, TA = 25 °C.
2. Efficiency measurements taken at nominal line, VIN = 48V, Io = 100% load, TA = 25 °C.
3. All specifications are considered typical values unless otherwise noted and are subject to change without notice.
4. 1 year warranty.
5. Consult factory for further product technical details.

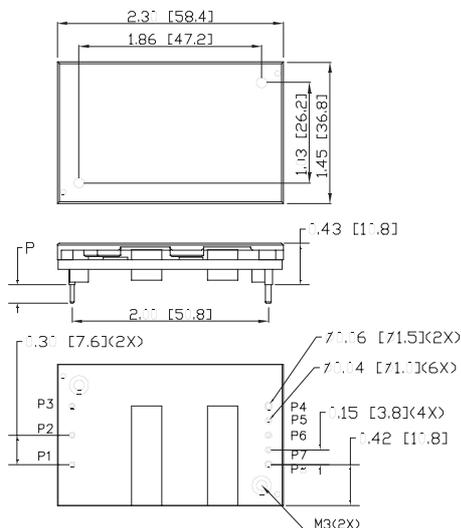
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MECHANICAL OUTLINE

OPENFRAME



BASEPLATE



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