Embedded Power for **Business-Critical Continuity**

AED/ALD17 150 Watts

Total Power: Input Voltage: 48V # of Outputs:

150 Watts Single

Special Features

- High efficiency (96% Typical) • Industry standard package
- 16th Brick 0.90" x 1.30"
- High capacitive load limit on start-up
- Output Enable Pin
- Undervoltage lockout
- Over Temperature Protection
- Meets Basic Insulation
- EU directive 2002/95/EC compliant for RoHS

Safety **UL, cUL** 60950 TUV EN60950



Electrical Specifications

36V to 55V
96%@ 9.6V (typical)
60V typical
36 to 37.5V
17A max
-25% / +15% Vo, nom
5% Vo (typical)
90mV (typical)
Auto-restart
115°C average PCB temperature (autorecovery)
165kHz
TTL compatible (positive or negative enable logic)
2000Vdc max

Environmental Specifications Operating ambient temperature range -40°C to +85°

Storage temperature MTBF

-40°C to +85°C ambient -55°C to +125°C >1 million hours





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Ordering Information

Input Voltage	Output Voltage	Output Current
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38 - 55V 9.6V

Options:

"L" = Open Frame / Low Profile (X) :

"E" = Heatplate Construction

- (N) : "N" = designates Negative Logic Enable (default is Positive Enable with no suffix "N" required)
- (6) : "-6" = 3.7mm nominal pin length (default is 5mm nominal pin length with no suffix "-6" required)

Efficiency²

96% Typ

(L) : "L" = RoHS Compliant (RoHS 6)

without "L" = RoHS Compliant with lead (Pb) in solder exemption (RoHS 5)

17A

Pin Assignments Mechanical Drawing Single Output ALD Series 1. +Vin 2. Enable 1.30 [33.0] 3. -Vin 4. -Vout PIN 1 PIN 8 5. Blank 0.90 [22.9] 6. Blank 7. Blank PIN 3 PIN 4 8. +Vout PIN SIDE DOWN Notes: 1. 20 MHz bandwidth. External 10 uF tant. capaci-0.35 [8.9] tor in parallel with 1 uF ceramic capacitor placed across the output and secondary return around. 2. Efficiency measurements are typical values taken at 48V input, nominal output, full load and $T_A = 25^{\circ}C$. 0.04Ø [1.0Ø]((3X) SIDE VIEW 3. All specifications are typical at nominal line, full load and $T_A = 25^{\circ}C$ unless otherwise noted. 4. All specifications subject to change without notice. 0.10 [2.5] 5. Mechanical drawings are for reference only. 1.10 [27.9] 0.15 [3.8] Dimensions are in inches [millimeters]. Pin placement tolerance ± 0.005 [0.127]. Mechanical Tolerance \pm 0.02 [0.127]. Mechanical Tolerance \pm 0.02 [0.5]. Pin diameter, $\emptyset = 0.06$ " for Pin 4 (-Vout) and Pin 8

- 6. Technical Reference Notes should be consulted
- for detailed information when available. 7. Warranty 1yr.



Model Number

A(X)D17Q50(N)-(6)(L)







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