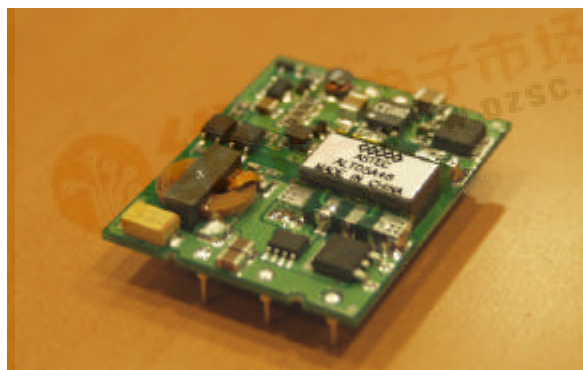


# 25-30 Watts

## ALT ALT Dual



### Special Features

- 25W Single and 30W Dual output
- 2:1 Input range
- Open Frame package
- 1.6" X 2.0" X 0.48"
- Positive and Negative enable function
- Industry standard package

### Environmental

Operating temperature  
-40°C to +55°C (ambient temperature)  
Storage temperature: -55°C to +125°C  
MTBF: 2 million hours (Bellcore TR332)

### Safety

UL 1950 Recognized  
CSA CSA22.2 - 950  
VDE EN60950 Licensed

Total Power: 25 Watts for Single, 30Watts for Dual output  
Input Voltages: 48 V, 24V  
No. of Outputs: Single, Dual

### Electrical Specs

#### Input

Input range 48Vin:36-75 VDC  
24Vin: 18 - 36VDC  
Input Surge 48Vin: 100V / 100ms  
24Vin: 50V / 100ms  
Efficiency 87%@5.0V (Typical)

#### Control

Enable TTL compatible  
(positive & negative enable options)

#### Output

Regulation  
Line <0.2%  
Load <0.5%  
Ripple & Noise 75mV p-p for 3.3V and 5V of 48Vin  
100mV p-p for 3.3V and 5V of 24Vin  
150mV p-p for 12V and 15V  
150mV p-p for dual output  
Output voltage adjust range +/-10% of nominal output  
Transient Response 3% max deviation with 50% to 75% full load  
200  $\mu$ S (max) recovery for 48Vin  
300  $\mu$ S (max) recovery for 24Vin

Overvoltage Protection 19V for 15V output  
16V for 12V output  
7V for 5V output  
5V for 3.3V output

#### Isolation

I/O isolation 1500VDC (Basic insulation)



#### AMERICAS

5810 Van Allen Way  
Carlsbad, CA 92008  
Telephone: 760-930-4600  
Facsimile: 760-930-0698

#### EUROPE

Astec House, Waterfront Business Park  
Merry Hill, Dudley  
West Midlands, DY5 1LX, UK  
Telephone: 44 (1384) 842-211  
Facsimile: 44 (1384) 843-355

#### ASIA

Units 2111-2116, Level 21  
Tower1, Metroplaza  
223, Hing Fong Road  
Fwai Fong, New Territories  
Hong Kong  
Telephone: 852-2437-9662  
Facsimile: 852-2402-4426

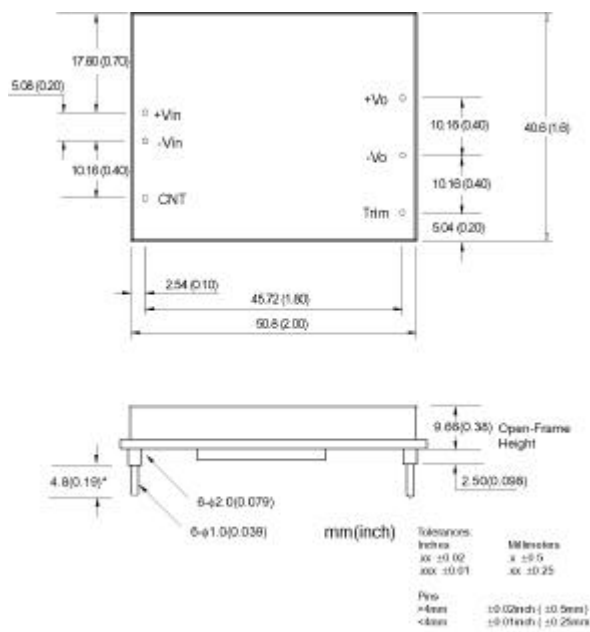


## Ordering Information

| Input Voltage | Output Voltage | Efficiency | Model Number |
|---------------|----------------|------------|--------------|
| 48V           | 3.3V @ 6A      | 85% (Typ)  | ALT06F48     |
| 48V           | 5.0V @ 5A      | 87% (Typ)  | ALT05A48     |
| 48V           | 12V @ 2.1A     | 87% (Typ)  | ALT02B48     |
| 48V           | 15V @ 1.67A    | 87% (Typ)  | ALT01C48     |
| 24V           | 3.3V @ 6A      | 83% (Typ)  | ALT06F24     |
| 24V           | 5.0V @ 5A      | 85% (Typ)  | ALT05A24     |
| Dual output   |                |            |              |
| 48V           | 5.0V @ 3A      | 84% (Typ)  | ALT03AA48    |
| 48V           | 12V @ 1.25A    | 87% (Typ)  | ALT01BB48    |

## Pin Assignments

### Single Output



### Dual Output

