

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 <0.2%
Line <0.5%
Load
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 μ S (max) recovery for 48Vin
300 μ 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)

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ASIA

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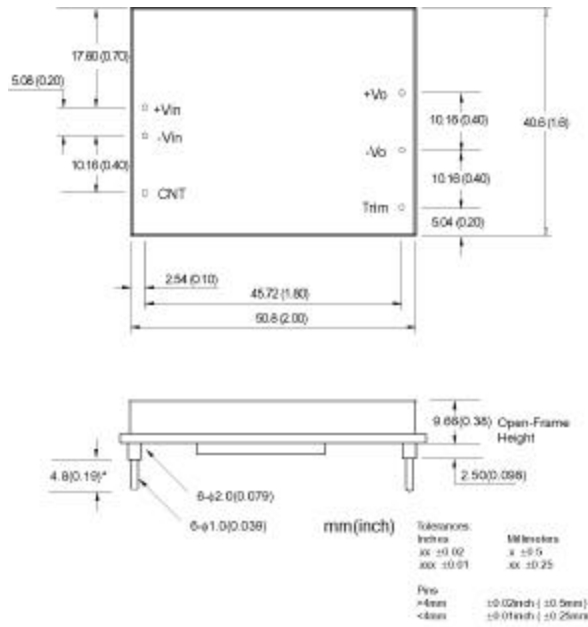
Ordering Information

ALT06/ALT-Dual

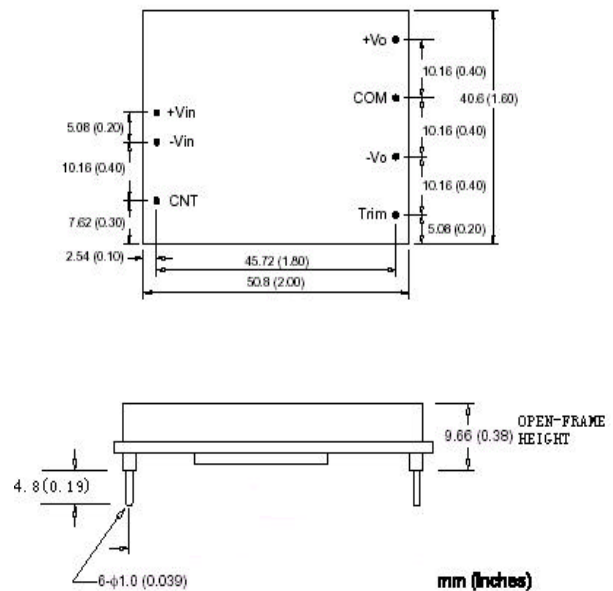
Input Voltage	Output Voltage	Efficiency	Model Number
48V	3.3V @ 6A	85% (Typ)	ALT06F48
48V	5.0V @ 5A	87% (Typ)	ALT05A48
48V	12V @ 2.1A	87% (Typ)	ALT02B48
48V	15V @ 1.67A	87% (Typ)	ALT01C48
24V	3.3V @ 6A	83% (Typ)	ALT06F24
24V	5.0V @ 5A	85% (Typ)	ALT05A24
Dual output			
48V	5.0V @ 3A	84% (Typ)	ALT03AA48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

Pin Assignments

Single Output



Dual Output



Astec Industry Standard