

25-30 Watts

ALT ALT Dual

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

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 μS (max) recovery for 48Vin
 300 μS (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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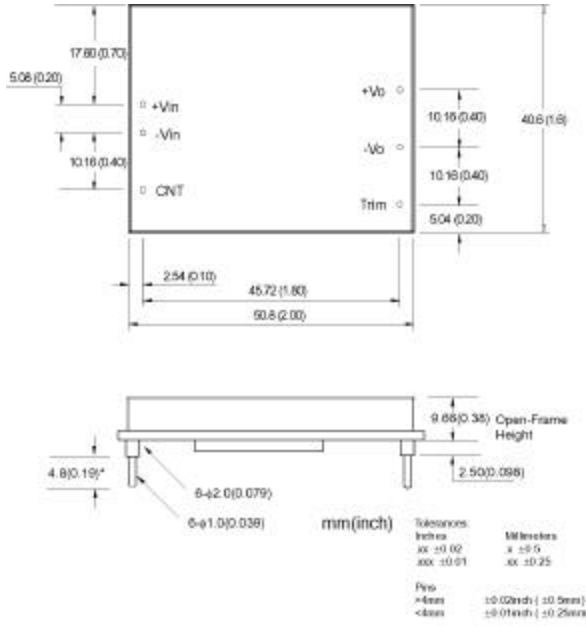
Ordering Information

ALT06/ALT-Dual

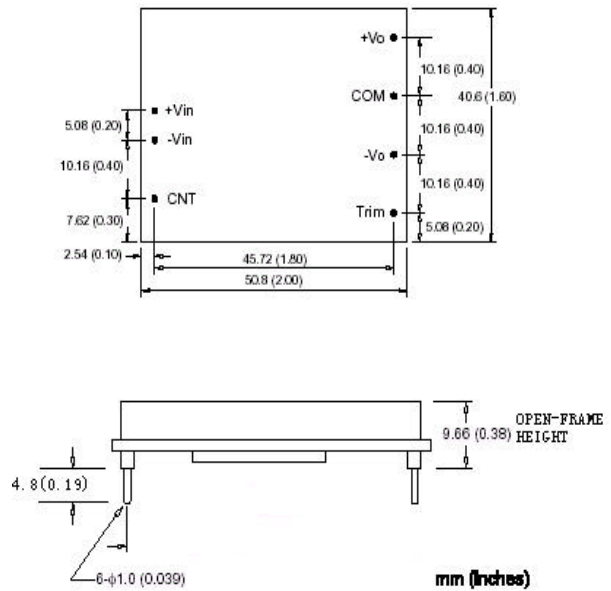
Input Voltage	Output Voltage	Efficiency	Model Number
48V	3.3V @ 6A	85% (Typ)	ALT06F48
48V	5.0V @ 5A	87% (Typ)	ALT05A48
48V	12V @ 2.1A	87% (Typ)	ALT02B48
48V	15V @ 1.67A	87% (Typ)	ALT01C48
24V	3.3V @ 6A	83% (Typ)	ALT06F24
24V	5.0V @ 5A	85% (Typ)	ALT05A24
Dual output			
48V	5.0V @ 3A	84% (Typ)	ALT03AA48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

Pin Assignments

Single Output



Dual Output



Astec Industry Standard