25 Watts

ALT
ALT Dual

Total Power:	25 Watts (3.3V@6Amps)
Input Voltages:	48 V
No. of Outputs:	Single, Dual

Special Features

- 25W, Single and Dual output
- 2:1Input range
- Open Frame package
- 1.6" X 2.0" X0.48"
- Positive and Negative enable function
- Industry standard package

Environmental

Operating temperature

-40°C to +100°C (Baseplate temperature)

Storage temperature: -55°C to +125°C

Overtemperature protection: 120°C max

MTBF: 2 million hours (Bellcore TR332)

Safety

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

Electrical Specs

Input

Input range	36-75 VDC
Input Surge	100V / 100ms
Efficiency	87%@5.0V (Typical)

Control

Enable	TTL compatible (positive & negative enable options)

Output

Regulation	
Line	<0.2%
Load	<0.5%
Ripple	20mV p-p typical
Noise	75mV p-p typical
Output voltage adjust range	+/-10% of nominal output
Transient Response	3% max deviation with 50% to 75% full load 200 µS (max) recovery
Overvoltage Protection	7V for 5V ouptut 5V for 3.3Voutput

Isolation

I/O isolation	1500VDC (Basic insulation)

ASTEC

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
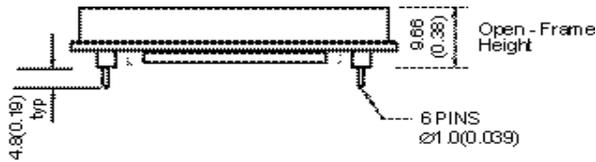Facsimile: 852-2402-4426

ASTEC

Ordering Information

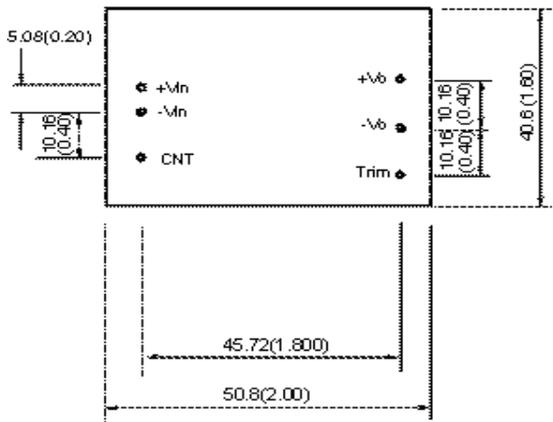| Input Voltage	Output Voltage	Efficiency	Model Number	Availability
48V	3.3V @ 6A	85% (Typ)	ALT06F48	Now
48V	5.0V @ 5A	87% (Typ)	ALT05A48	Now
48V	12V @ 2A	TBD (Typ)	ALT02B48	Sample available in Jan 2003
48V	15V @ 1.6A	TBD (Typ)	ALT01C48	Sample available in Mar 2003
Dual output				
48V	5.0V @ 2.5A	TBD (Typ)	ALT02AA48	Sample available in Jan 2003
48V	12V @ 1A	TBD (Typ)	ALT01BB48	Sample available in Jan 2003

Note: 1. For Negative Enable add suffix "N"

Pin Assignments

Single Output

Dual Output

TBD

9.66 (0.38)   Open - Frame Height

4.8(0.19) typ

6 PINS
Ø1.0(0.039)

5.08(0.20)

10.16 (0.40)

+Vin
-Vin
CNT

+Vo
-Vo
Trim

10.16 (0.40)   10.16 (0.40)

40.6 (1.60)

45.72(1.800)

50.8(2.00)

Notes:
1. All dimensions in mm and (inches)