

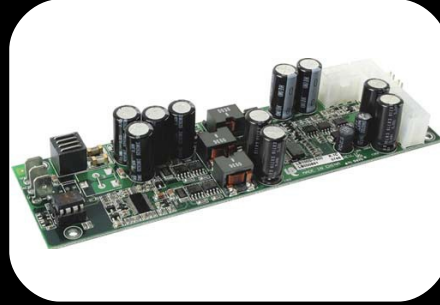
# ELB160D7624

Rev: 1B

## 15-30VDC INPUT 160W DC-DC ATX POWER SUPPLY

### FEATURES:

- 15-30VDC input ,160W ATX output
- Over voltage and short circuit protection
- Over 92% efficiency
- Meet ISO7637-2 level II standard for all 7 waveforms
- Intelligent ITPS(ACC) control
- Input Under Voltage protection
- Input inversion protection
- **RoHS compliant and 2-year warranty**



### SPECIFICATIONS:

◆ All Specifications are typical nominal input, full load at 25°C unless otherwise stated

#### INPUT:

Input Voltage Range:	15-30VDC
Input Current:	8A@24VDC
Inrush Current (cold start):	25A
Input Fuse:	10AX2
Input to Output:	Non-Isolated
ISO7637-2 Compliance:	Yes
Input over Voltage Protection:	None
Input under Voltage Protection:	Yes
Input Inversion Protection:	Yes

#### OUTPUT:

Voltage:	+3.3V	+5V	+12V	+5VSB	-12V
Current:	8A	8A	8A	2.0A	0.1A
Regulation:	2%	2%	2%	2%	10%
Ripple(mV)*:	50	50	120	50	120
OVP:	yes	yes	yes	N/A	N/A
OCP:	yes	yes	yes	yes	yes
SCP:	yes	yes	yes	yes	yes
Rise Time:	10ms	10ms	10ms	10ms	10ms
Overshoot:	10%	10%	10%	10%	10%
Dynamic**:	5%	5%	5%	5%	5%

#### GENERAL SPECIFICATIONS:

Efficiency:	92%
Hold up Time:	2ms
Switching Frequency:	200K
Meet Safety:	UL,CE,CCC
Weight:	200g
MTBF(MIL-HDBK-217):	>120,000hours
Life:	>5years
Failure rate:	<0.5%
ITPS function:	Yes

#### ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature:	-20 to +65 degree
Storage Temperature:	-40 to +85 degree
Cooling:	Natural Convection
Relative Humidity:	5 to 95% RH
Altitude:	10,000 feet max.
Vibration:	5-500 Hz,2.4 G rms
Shock:	Per MIL-STD-810E
Conducted Immunity:	EN55022 Class A
Radiated Immunity:	EN55022 Class A
ESD:	EN61000-4-2, level 3
Surge:	EN61000-4-5, level2
Fast Transients:	EN61000-4-4, level 3

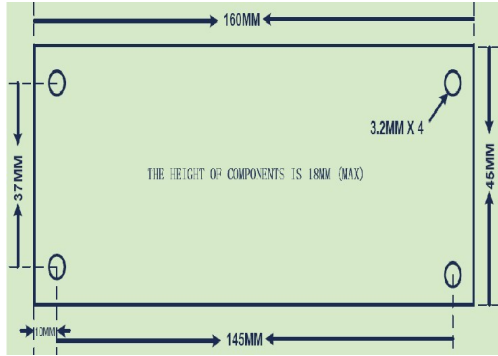
◆ For the most current data and application support, please ask our sales staff

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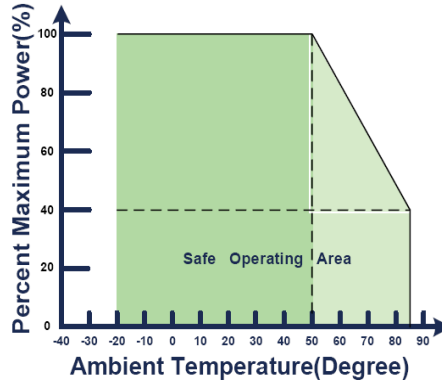
Rev:1B

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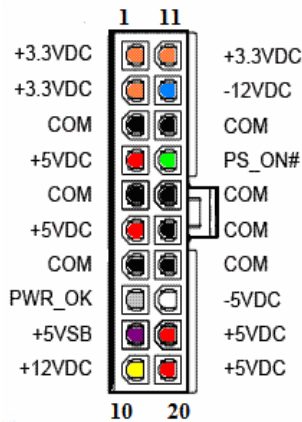
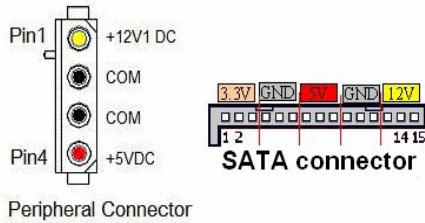
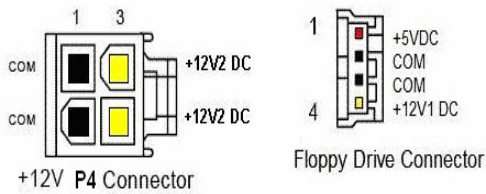
## MECHANICAL DRAWING:



## DERATING CURVE:



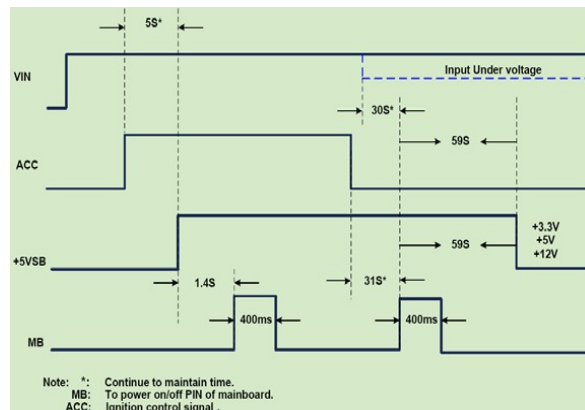
## PIN ASSIGNMENTS:



## RECOMMENDED APPLICATION:



## ATX OUTPUT TIMING:



## Note:

- \* Need to add 47 $\mu$ F tantalum capacitor and 0.1 $\mu$ F high frequency capacitor on test point when testing.
- \*\* 20%-50%-25% of Ionom,500us settling time.

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