

Specification Control Drawing

Drawing # Z-DT250PW240C

Model DT250PW240C

Factory 70072083

Prepared by David Norton

Rev	ECO #	Date
P1		October 22, 2010

TDK-LAMBDADT250PW240C

Rev P1

Specification

1	Nominal Output Voltage	V	24V
2	Minimum Output Current	A	0A
3	Maximum Output Current	A	10.42A
4	Maximum Output Power	W	250W
5	Input Voltage Range	V	90-264VAC, 47-63Hz
6	Input Current	A	3.5A at 90VAC
7	Power Factor	-	0.9 minimum (active)
8	Efficiency Typical (1)	%	87%
9	Inrush current -Typical (2)	A	150A
10	Adjustment Range	V	None
11	Maximum Ripple & Noise (3)	mV	300mV peak to peak
12	Maximum Load regulation	mV	Not specified, see total regulation
13	Maximum Line regulation	mV	Not specified, see total regulation
14	Total Regulation	%	+/-5%
15	Overcurrent Protection (4)		105 – 160%
16	Overvoltage Protection (4)		26.4 – 28.8VDC
17	Hold up time - typical (1)	ms	16ms
18	Operating Temperature	C	0 ~ 40C (Variable speed internal fan)
19	Temperature Coefficient		+/-0.05%/degree C
20	Operating Humidity		10 ~ 90% non condensing (storage & operating)
21	Storage Temperature	C	-20 ~ 85C
22	EMI		FCC Class B Conducted, EN55022 class B
23	Leakage Current		750uA maximum at 264VAC, 63Hz
24	Immunity		EN61000-4-2, -3, -4, -5, -6, -11
25	Withstand Voltage		Input to Ground 1.5kVAC, Input to Output 3kVAC Output to Ground 500VDC for 1 min.
26	Isolation Resistance		>20M at 25C & 70%RH, Output to Ground 500VDC
27	Safety		UL609501-1, EN60950-1, EN55022, CE mark
28	Case		188.5 x 104.5 x 60mm. See Outline Drawing for full details IEC320-C14 inlet Black plastic
29	Output cable and connector		1m long, Connector(s) specified at time of order
30	Labels		States TDK-Lambda part #, rating information, country of origin, date code Appropriate agency logos to be attached
31	Packaging		States part number on outside of box
32	MTBF		140,000 hours, MIL-STD-217F
33	Energy Star/CEC		EISA 1.1 Level V, CEC V
34	Weight	g	1060g

Notes:

- 1 Full load at 115VAC nominal line
- 2 At 230VAC input cold start at 25C
- 3 Measured across 10uF electrolytic in parallel with 0.1uF ceramic at connector.
- 4 Auto recovery after short circuit. AC input will need to be recycled after a soft overload or OVP condition

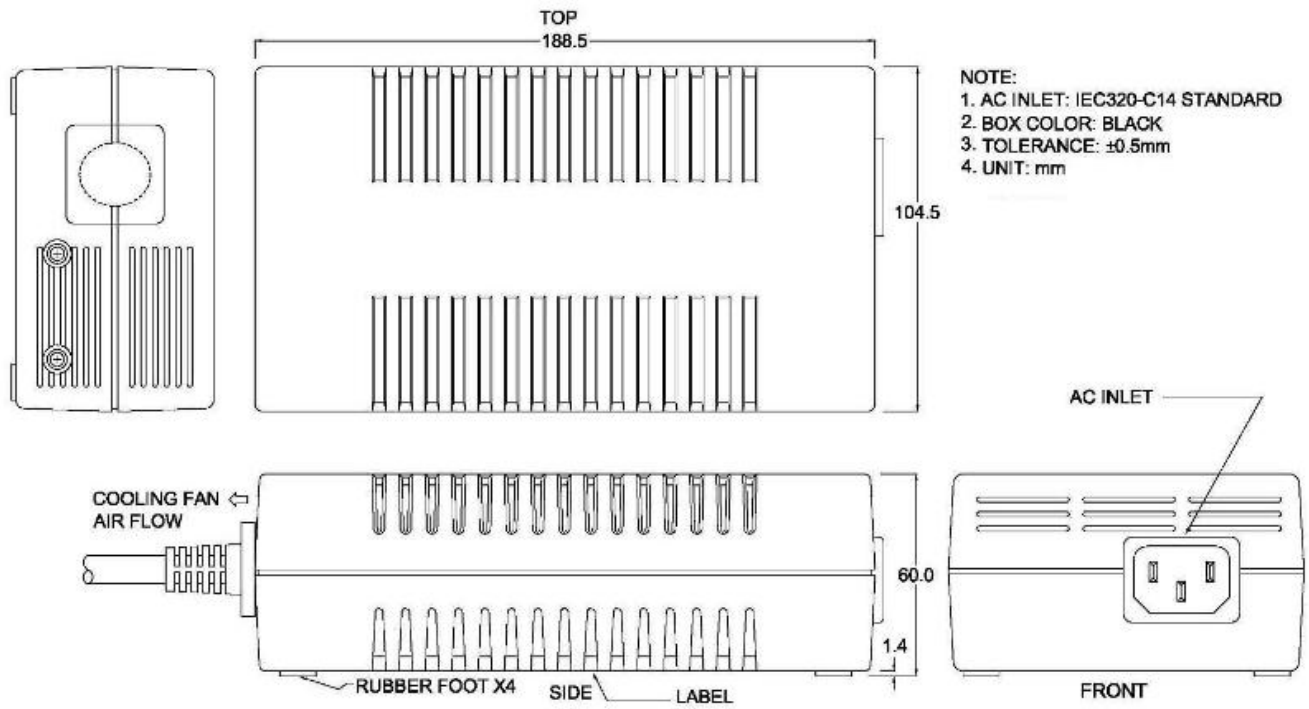
Additional Notes:

None

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Outline Drawing



TDK-LAMBDA DT250PW240C

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