

Date : Feb.5,1999

## Temperature increase of main components

Model : LEA100F

### 1. Conditions

- (1) Input : AC 85 ~ 264 [V]
- (2) Output : Rated output
- (3) Mounting method : Shown as Fig.1.1

### 2. Result

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	15V	24V				
1	Input rectifier	SS101	68	68	68	68			150	Junction temp.
2	Line filter	L101	52	52	52	52			120	
3	Choke coil(PFC)	L103	47	47	47	47			120	
4	Transistor(PFC)	TR105	67	67	67	67			150	Junction temp.
5	Rectified diode(PFC)	SS102	51	51	51	51			150	Junction temp.
6	Switching transistor	TR201	64	64	64	63			150	Junction temp.
7	Transformer	T201	54	47	49	49			120	
8	Rectified diode(Output)	SS501	76	68	54	53			150	Junction temp.
9	Output choke	L507	52	39	34	34			120	
10	Input capacitor	C119	31	31	31	31			105	
11	Output capacitor	C507	36	25	24	15			105	
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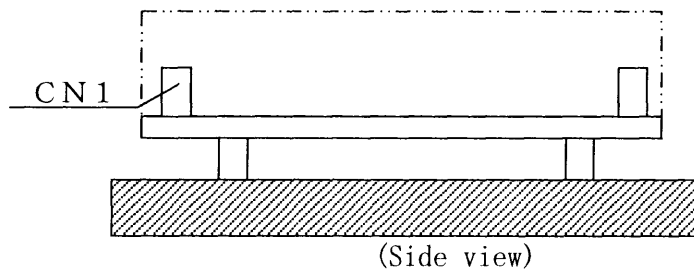


Fig. 1.1 Mounting method  
(Normal position)