

Temperature increase of main components

Model : LEA150F

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 (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	15V	24V				
1	Input rectifier	SS101	66	66	66	66			150	Junction temp.
2	Line filter	L101	54	54	54	54			120	
3	Choke coil(PFC)	L103	61	61	61	61			120	
4	Transistor(PFC)	TR105	74	74	74	74			150	Junction temp.
5	Rectified diode(PFC)	SS102	66	66	66	66			150	Junction temp.
6	Switching transistor	TR201	74	74	74	74			150	Junction temp.
7	Transformer	T201	60	45	55	60			120	
8	Rectified diode(Output)	SS502	72	60	55	56			150	Junction temp.
9	Output choke	L507	50	50	44	44			120	
10	Input capacitor	C119	38	38	38	36			105	
11	Output capacitor	C508	44	24	20	20			105	
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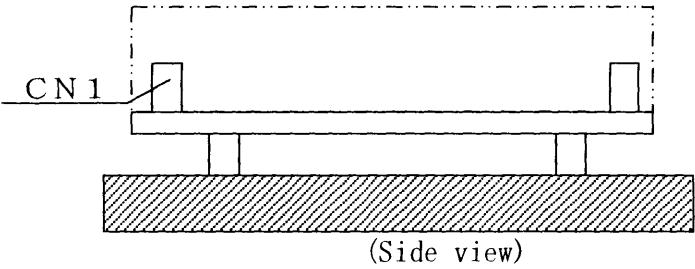


Fig.1.1 Mounting method
(Normal position)