

Temperature increase of main components: 主要部品温度上昇

LFA75F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output *Derating is required at AC85 - 90[V] input.
- (3) Mounting metho :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)							Rated temp. [°C]	Reference
			[deg]								
			3.3V	5V	12V	15V	24V	36V	48V		
1	Rectifier(Input)	SS101	53	69	67	65	66	60	67	150	Junction Temp.
2	Line filter	L102	33	43	45	45	45	44	44	130	
3	Choke coil(PFC)	L103	45	58	58	58	55	52	55	130	
4	Input capacitor	C113	34	36	36	36	32	32	35	105	
5	Rectified diode(Output)	D108	54	69	59	64	57	55	59	150	Junction Temp.
6	Transistor(PFC)	TR104	60	68	68	66	66	66	63	150	Junction Temp.
7	Switching transistor	TR201	62	68	70	60	64	67	65	150	Junction Temp.
8	Transformer	T101	61	62	57	57	60	57	55	155	
9	Rectified diode(Output)	SS501	72	72	66	66	56	46	41	150	Junction Temp.
10	Output Choke	L501	61	67	-	-	-	-	-	130	
11	Output Choke	L501	-	-	57	53	44	35	32	120	
12	Output Capacitor	C507	26	27	25	23	19	18	17	105	
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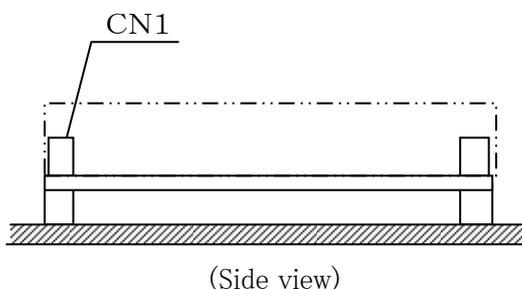


Fig.1.1 Mounting method
(Normal position)

*All information presented herein are not guaranteed.
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