

Date : May.8,2023

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

Model: FETA3000BC

1. Conditions

- (1) Input :180 ~ 264 [Vac]
- (2) Output :Rated output
- (3) Mounting method :As shown in Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			250V							
1	Line Filter	L102	31						130	
2	Rectifier(Input)	SS101	32						150	Junction Temp.
3	Choke coil(PFC)	L104	39						130	
4	Switching Transistor(PFC)	TR102	65						150	Junction Temp.
5	Rectified Diode(PFC)	SS103	44						150	Junction Temp.
6	Input Capacitor	C128	22						105	
7	Transformer	T301	97						155	
8	Switching Transistor(DD)	TR301	78						150	Junction Temp.
9	Rectified Diode(Output)	SS501	54						150	Junction Temp.
10	Output Choke	L501	51						130	
11	OR Diode	SS505	42						150	Junction Temp.
12	Output Capacitor	C505	44						110	
13										
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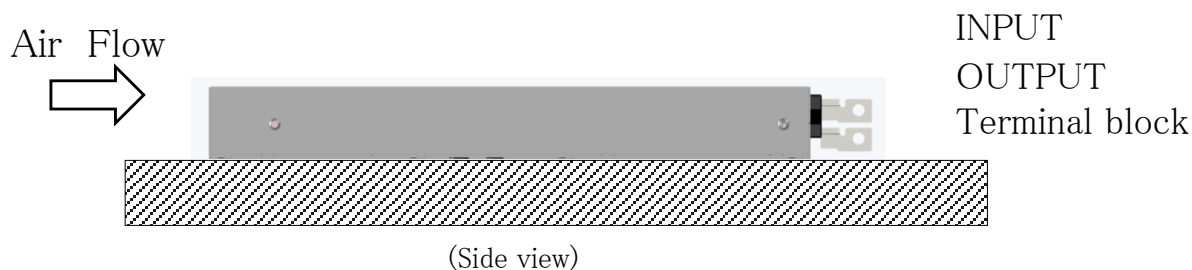


Fig.1.1 Mounting method
(Normal position)