

Date : Jun.12,2024

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

Model: AEA800F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (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]							
			24V	30V	36V	48V				
1	Line filter	L102	37	39	38	34			120	
2	Rectifier(Input)	SS102	73	65	63	68			150	Junction Temp.
3	Switching transistor(PFC)	TR101	65	64	53	66			150	Junction Temp.
4	Switching transistor(PFC)	TR102	60	61	55	53			150	Junction Temp.
5	Diode(PFC)	D101	67	70	62	53			150	Junction Temp.
6	Choke coil(PFC)	L103	49	51	42	44			130	
7	Input Capacitor	C116	29	33	27	25			105	
8	Transformer	T201	74	65	56	57			155	
9	Switching transistor(DCDC)	TR201	53	61	50	43			150	Junction Temp.
10	Switching transistor(DCDC)	TR203	62	52	49	45			150	Junction Temp.
11	Rectified transistor(Output)	TR502	69	49	57	51			150	Junction Temp.
12	Rectified transistor(Output)	TR504	63	45	53	41			150	Junction Temp.
13	Output Capacitor	C594	17	17	13	14			105	
14										
15										
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17										
18										
19										
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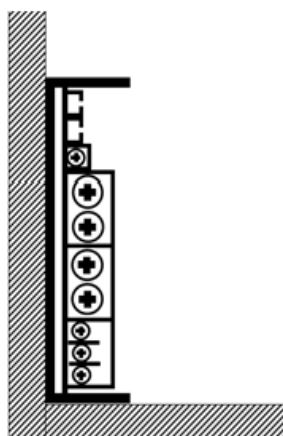


Fig.1.1 Mounting method
(Normal position)