

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

Model: PBA100F

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]									
			3.3V	5V	9V	12V	15V	24V	36V	48V		
1	Line Filter	L101	40	62	62	62	62	62	62	62	130	
2	Rectifier(Input)	SS101	65	76	76	76	76	76	76	76	150	Junction Temp.
3	Choke coil(PFC)	L103	39	53	53	53	53	53	53	53	120	
4	Transistor(PFC)	TR102	52	58	58	58	58	58	58	58	150	Junction Temp.
5	Rectified diode(PFC)	D102	45	57	57	57	57	57	57	57	150	Junction Temp.
6	Input Capacitor	C119	28	28	16	32	28	27	32	30	105	
7	Switching Transistor	TR201	56	67	67	67	67	67	67	67	150	Junction Temp.
8	Transformer	T201	51	50	48	53	53	54	50	51	130	
9	Rectified MOS-FET(Output)	TR502	62	70	-	-	-	-	-	-	150	Junction Temp.
10	Rectified Diode(Output)	SS502	-	-	77	72	65	58	54	51	150	Junction Temp.
11	Output Choke	L507	53	63	39	51	50	47	44	64	130	
12	Output Capacitor	C505	29	32	28	26	28	36	21	24	105	
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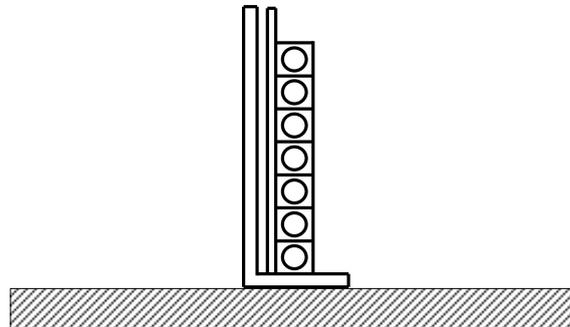


Fig.1.1 Mounting method (position A)

※This is reference data and the value is not guaranteed.  
 本内容は参考データであり、その内容を保証するものではありません。