

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

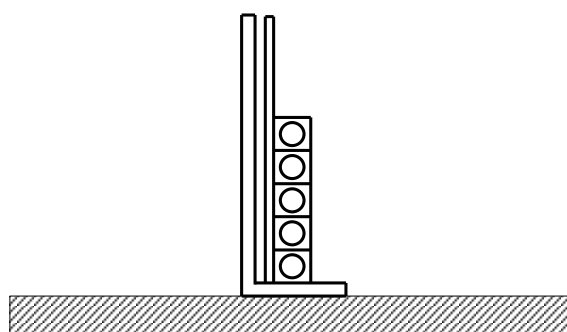
Model: PBA50F

## 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]									
			3.3V	5V	9V	12V	15V	24V	36V	48V		
1	Line Filter	L102	35	45	45	45	45	45	45	45	120	
2	Rectifier(Input)	SS101	62	71	71	71	71	71	71	71	150	Junction Temp.
3	Choke coil(PFC)	L103	34	52	52	52	52	52	52	52	120	
4	Transistor(PFC)	TR102	37	45	45	45	45	45	45	45	150	Junction Temp.
5	Rectified diode(PFC)	D102	40	51	51	51	51	51	51	51	150	Junction Temp.
6	Input Capacitor	C118	27	27	27	27	27	27	27	27	105	
7	Switching Transistor	TR201	42	51	48	54	40	49	47	49	150	Junction Temp.
8	Transformer	T201	43	53	46	48	38	49	43	48	130	
9	Rectified MOS-FET(Output)	TR502	41	52	-	-	-	-	-	-	150	Junction Temp.
10	Rectified Diode(Output)	SS502	-	-	44	50	41	42	40	37	150	Junction Temp.
11	Output Choke	L507	35	50	42	46	33	40	38	42	120	
12	Output Capacitor	C505	26	33	24	27	21	26	19	26	105	
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Fig.1.1 Mounting method  
(position A)