

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

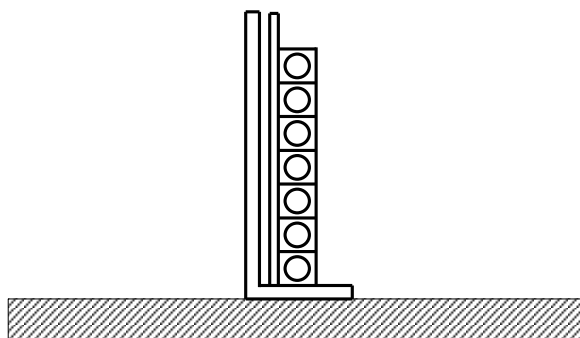
Model: PBA150F

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	39	62	62	62	62	62	62	62	130	
2	Rectifier(Input)	SS101	59	71	71	71	71	71	71	71	150	Junction Temp.
3	Choke coil(PFC)	L103	33	54	54	54	54	54	54	54	120	
4	Transistor(PFC)	TR102	54	66	66	66	66	66	66	66	150	Junction Temp.
5	Rectified diode(PFC)	SS103	53	63	63	63	63	63	63	63	150	Junction Temp.
6	Input Capacitor	C118	32	39	39	39	39	39	39	39	105	
7	Switching Transistor	TR201	51	64	63	65	55	57	54	55	150	Junction Temp.
8	Transformer	T201	54	60	58	58	52	54	56	54	155	
9	Rectified MOS-FET(Output)	TR501	62	70	—	—	—	—	—	—	150	Junction Temp.
10	Rectified Diode(Output)	SS501	—	—	74	73	61	63	54	54	150	Junction Temp.
11	Output Choke	L507	52	59	55	56	45	54	48	61	130	
12	Output Capacitor	C505	38	38	30	32	28	25	20	28	105	
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Fig.1.1 Mounting method
(position A)