

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

Model: PBA1500F

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	7.5V	12V	15V	24V	36V	48V		
1	Rectifier(Input)	SS101	52	60	65	63	63	60	60	67	150	Junction Temp.
2	Line Filter	L101	29	55	59	58	54	62	62	65	130	
3	Choke Coil(Pfc)	L103	31	39	39	36	36	36	37	36	120	
4	Transistor(Pfc)	TR104	37	45	57	61	57	60	54	54	150	Junction Temp.
5	Rectified Diode(Pfc)	SS103	45	61	67	66	62	66	67	54	175	Junction Temp.
6	Switching Transistor	TR308	65	68	40	46	48	53	60	44	150	Junction Temp.
7	Transformer	T301	57	57	45	48	37	45	52	55	130	
8	Rectified Diode(Output)	SS507	67	67	65	64	46	46	49	41	150	Junction Temp.
9	Output Choke	L501	67	66	65	51	42	54	61	53	130	
10	Input Capacitor	C121	19	28	25	22	20	22	22	23	105	
11	Output Capacitor	C506	37	37	28	27	22	23	26	21	105	
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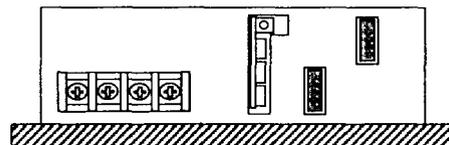


Fig.1.1 Mounting method
(Normal position)