

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

Model: PBA1500T

1. Conditions

- (1) Input : AC 170 ~ 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]					
			5V	12V	24V	48V		
1	Rectifier(Input)	SS101	50	50	52	56	150	Junction Temp.
2	Line Filter	L101	29	29	35	36	130	
3	Choke Coil(Pfc)	L103	20	20	37	32	120	
4	Transistor(Pfc)	TR102	36	37	37	39	150	Junction Temp.
5	Rectified Diode(Pfc)	SS103	30	34	34	39	175	Junction Temp.
6	Switching Transistor	TR308	43	39	49	51	150	Junction Temp.
7	Transformer	T301	40	39	50	59	130	
8	Rectified Diode(Output)	SS507	63	53	39	42	150	Junction Temp.(48V,Tj=175°C)
9	Output Choke	L501	58	52	57	54	130	
10	Input Capacitor	C121	6	7	11	8	105	
11	Output Capacitor	C506	35	23	26	26	105	
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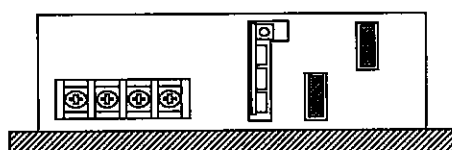


Fig.1.1 Mounting method
(Normal position)