

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

Model: PBA600F

## 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]							
			15V	24V	36V	48V				
1	Rectifier(Input)	SS101	74	71	71	68			150	Junction Temp.
2	Line Filter	L101	48	54	55	53			120	
3	Inrush Current Limiting Thyristor	SCR101	59	63	58	54			150	Junction Temp.
4	Choke Coil(Pfc)	L103	50	53	55	57			120	
5	Transistor(Pfc)	TR101	64	62	65	56			150	Junction Temp.
6	Rectified Diode(Pfc)	SS103	52	52	52	50			150	Junction Temp.
7	Input Capacitor	C119	19	10	19	19			105	
8	Switching Transistor	TR308	56	59	65	68			150	Junction Temp.
9	Transformer	T301	49	45	40	60			130	
10	Rectified Diode(Output)	SS505	48	40	39	40			150	Junction Temp.
11	Output Choke	L501	37	29	36	39			120	
12	Output Capacitor	C507	23	18	24	23			105	
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14										
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(Side view)

Fig.1.1 Mounting method  
(Normal position)