

## 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]							
			3.3V	5V	7.5V	12V				
1	Rectifier(Input)	SS101	74	74	70	74			150	Junction Temp.
2	Line Filter	L101	50	50	52	51			120	
3	Inrush Current Limiting Thyristor	SCR101	53	53	51	48			150	Junction Temp.
4	Choke Coil(Pfc)	L103	54	54	52	57			120	
5	Transistor(Pfc)	TR101	62	62	60	62			150	Junction Temp.
6	Rectified Diode(Pfc)	SS103	53	53	55	55			150	Junction Temp.
7	Input Capacitor	C119	19	19	19	19			105	
8	Switching Transistor	TR308	55	55	50	50			150	Junction Temp.
9	Transformer	T301	42	42	50	44			130	
10	Rectified Diode(Output)	SS505	59	59	55	54			150	Junction Temp.
11	Output Choke	L501	65	65	40	45			130	
12	Output Capacitor	C507	28	28	28	23			105	
13										
14										
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20										



(Side view)

Fig.1.1 Mounting method  
(Normal position)