

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

Model: PBA300F

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	Line Filter	L101	56	56	56	56	56	56	56	56	120	
2	Rectifier(Input)	SS101	43	43	43	58	45	46	46	56	150	Junction Temp.
3	Inrush Current Limiting Thyristor	SCR101	41	51	50	54	50	50	47	51	125	Junction Temp.
4	Choke Coil(Pfc)	L103	23	43	44	55	44	51	42	52	120	
5	Transistor(Pfc)	TR101	36	41	44	47	51	47	40	53	150	Junction Temp.
6	Rectified Diode(Pfc)	SS103	19	25	30	36	31	32	29	31	150	Junction Temp.
7	Input Capacitor	C119	13	12	13	12	12	11	12	12	105	
8	Switching Transistor	TR308	51	55	43	59	46	45	40	63	150	Junction Temp.
9	Transformer	T301	26	46	32	39	47	41	35	50	130	
10	Rectified Diode(Output)	SS505	47	60	40	53	49	42	31	-	150	Junction Temp.
11	Output Choke	L501	40	40	40	42	39	35	30	33	120	
12	Output Capacitor	C506	36	36	31	30	28	26	26	26	105	
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(Side view)

Fig.1.1 Mounting method (Normal position)