

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

Model: PCA600F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output *Derating is required at 85-90[VAC] input.
- (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	15V	24V	32V	48V		
1	Line filter	L101	31	37	39	39	39	39	120	
2	Relay	X101	21	30	28	28	28	28	85	
3	Rectifier(Input)	SS101	85	82	87	82	82	82	150	Junction Temp.
4	Choke coil(PFC)	L103	71	75	77	77	77	75	130	
5	Transistor(PFC)	TR103	66	71	73	75	75	71	150	Junction Temp.
6	diode(PFC)	D114	77	82	84	78	78	82	150	Junction Temp.
7	Switching transistor1(DCDC)	TR302	67	71	69	68	68	68	150	Junction Temp.
8	Switching transistor2(DCDC)	TR313	47	50	47	47	42	39	150	Junction Temp.
9	diode(DCDC)	D301	69	70	68	66	64	62	150	Junction Temp.
10	Transformer	T501	73	66	60	44	40	45	155	
11	Rectified transistor(Output)	TR511	72	59	58	44	37	42	150	Junction Temp.
12	Output capacitor	C501	21	19	19	19	19	19	125	
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(Side view)

Fig.1.1 Mounting method (Normal position)

*All information presented herein are not guaranteed.
 *本資料は参考資料であり、その内容を保証するものではありません。