

Date : Mar.25,2019

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

Model: PCA300F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
 (2) Output :Rated output
 (3) Mounting method :As shown in 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	41	48	52	49	49	49	120	
2	Relay	X101	11	12	17	11	11	11	85	
3	Rectifier(Input)	SS101	63	67	68	67	67	67	150	Junction Temp.
4	Choke coil(PFC)	L103	25	25	25	25	25	25	130	
5	Transistor(PFC)	TR101	41	56	50	49	49	49	150	Junction Temp.
6	Diode(PFC)	D113	37	47	56	44	44	44	150	Junction Temp.
7	Switching transistor1(DCDC)	TR301	40	44	45	39	39	39	150	Junction Temp.
8	Diode(DCDC)	D301	35	36	35	32	32	32	150	Junction Temp.
9	Step down choke coil	L301	30	32	31	30	30	30	130	
10	Transformer	T501	47	44	35	48	48	48	155	
11	Rectified transistor(Output)	TR523	59	44	37	54	54	54	150	Junction Temp.
12	Output capacitor	C502	9	7	7	5	5	5	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。