

Date : Sep.9,2021

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

Model : PJMA300F

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]						
			12V	24V	36V	48V			
1	Line Filter	L102	26.3	21.5	19.2	22.7		130	
2	Rectifier(Input)	SS101	71.1	75.3	66.6	72.6		150	Junction Temp.
3	Choke Coil(PFC)	L103	73.6	69.5	57.1	68.1		130	
4	Input Capacitor	C121	4.59	18.7	15.4	16.1		105	
5	Rectified Diode(PFC)	SS102	54.8	45.8	46.8	49.9		150	Junction Temp.
6	Transistor(PFC)	TR102	59.2	49.5	50.7	53.9		150	Junction Temp.
7	Switching Transistor	TR201	66.8	54	41.6	43.9		150	Junction Temp.
8	Transformer	T201	49.4	43.8	44.1	45.1		130	
9	Rectified diode(Output)	SS501	65.2	41.1	51.5	50.9		150	Junction Temp.
10	Output Choke	L507	23.5	15.6	10.5	13.7		130	
11	Output Capacitor	C510	21.7	7.3	2.4	3.9		105	
12	Voltage Regulator	IC701	38.5	29.4	39.7	38.3		150	Junction Temp.
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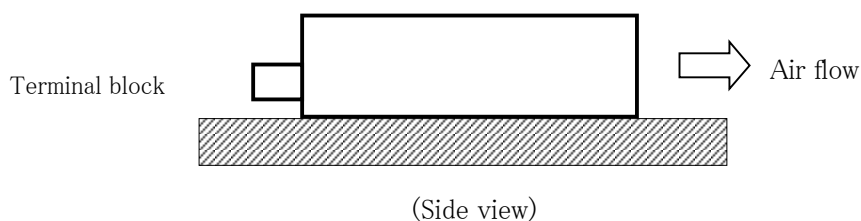


Fig.1.1 Mounting method

*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。