

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

Model : GMA300F (Forced air)

## 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]							
			12V	24V	48V	56V				
1	Line filter	L101	49	39	47	43		120		
2	Rectifier (Input)	SS101	66	63	63	60		150	Junction Temp.	
3	Transistor (PFC)	TR101	57	47	45	45		150	Junction Temp.	
4	Rectified diode (PFC)	D111	57	56	55	51		150	Junction Temp.	
5	Input capacitor	C114	14	14	18	17		105		
6	Switching transistor	TR201	44	42	40	40		150	Junction Temp.	
7	Transformer	T201	77	68	72	71		155		
8	Rectified transistor (Output)	TR502	63	41	49	40		150	Junction Temp.	
9	Output Capacitor	C515	18	17	21	14		125		
10	Transformer	T301	36	31	30	28		155		
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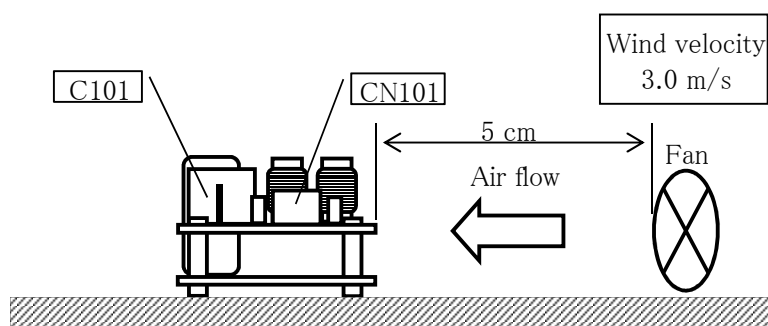


Fig.1.1 Mounting method

\*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。