

Date : Jan.25,2021

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

Model : PJMA1000F

### 1. Conditions

- (1) Input : AC 115 ~ 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	36V	48V			
1	Line Filter	L102	38	25	31	32		120	
2	Rectifier(Input)	SS101	66	68	56	63		150	Junction Temp.
3	Inrush Current Limiting Triac	SCR101	59	63	50	62		130	Junction Temp.
4	Choke Coil(PFC)	L103	35	34	49	40		130	
5	Input Capacitor	C131	16	16	13	15		105	
6	Rectified Diode(PFC)	SS103	40	60	40	41		150	Junction Temp.
7	Transistor(PFC)	TR102	44	41	37	41		150	Junction Temp.
8	Switching Transistor	TR201	52	52	48	55		150	Junction Temp.
9	Transformer	T201	37	41	39	46		130	
10	Rectified Diode(Output)	SS505	69	50	39	38		150	Junction Temp.
11	Output Choke	L517	21	15	19	15		130	
12	Output Capacitor	C501	14	5	6	6		105	
13	Voltage Regulator	IC701	32	29	29	30		150	Junction Temp.
14									
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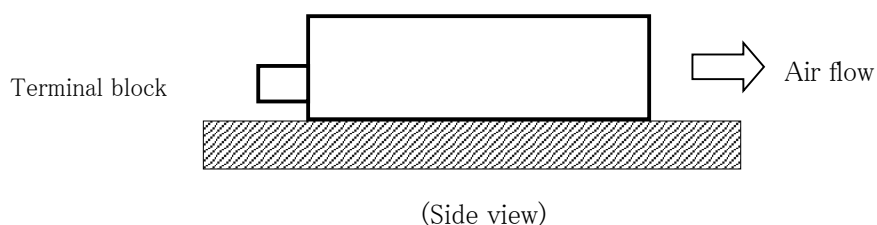


Fig.1.1 Mounting method

\*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。