

Date : Sep.21,2022

## Temperature increase of main components

Model: PJMA1500F

### 1. Conditions

- (1) Input :AC 85 ~ 264 [V]  
 (2) Output :Rated output \*Derating is required at AC85~115[V]input.  
 (3) Mounting method :As shown in 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	44	42	38	43			130	
2	Rectifier(Input)	SS101	76	71	70	71			150	Junction Temp.
3	Inrush Current Limiting Triac	TRC101	67	63	65	66			150	Junction Temp.
4	Choke Coil(Pfc)	L103	67	61	54	47			130	
5	Input Capacitor	C130	10	8	11	9			105	
6	Rectifier Diode(Input)	SS103	47	39	45	40			150	Junction Temp.
7	Transistor(Pfc)	TR102	55	56	55	50			150	Junction Temp.
8	Switching Transistor	TR201	62	43	62	56			150	Junction Temp.
9	Transformer	T201	59	44	63	53			130	
10	Rectifying Diode(Output)	SS502	83	49	40	45			150	Junction Temp.
11	Output Choke	L517	51	26	49	38			130	
12	Output Capacitor	C501	18	9	10	10			105	
13	Voltage Regulator	IC701	36	41	31	33			150	Junction Temp.
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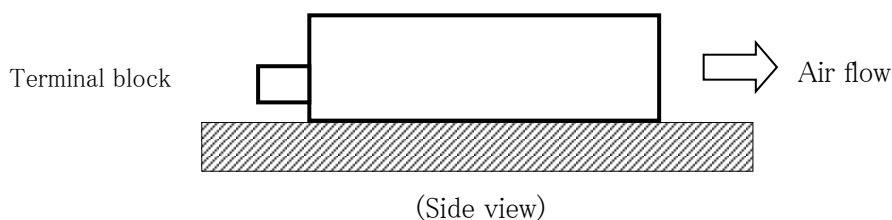


Fig.1.1 Mounting method  
(Normal position)

\*All information presented herein are not guaranteed.