

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

Model: PJA300F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
 (2) Output :Rated output *Derating is required at AC85 - 100[V] input.
 (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	15V	24V	36V	48V		
1	Line Filter	L102	21	20	23	24	21	22	130	
2	Rectifier(Input)	SS101	62	60	59	63	61	60	150	Junction Temp.
3	Choke Coil(PFC)	L103	59	53	63	62	65	67	130	
4	Input Capacitor	C121	23	19	15	16	17	17	105	
5	Rectified Diode(PFC)	SS102	45	42	44	43	47	40	150	Junction Temp.
6	Transistor(PFC)	TR102	55	52	47	48	57	47	150	Junction Temp.
7	Switching transistor	TR201	57	57	44	43	36	45	150	Junction Temp.
8	Transformer	T201	45	56	50	42	46	49	130	
9	Rectified diode(Output)	SS501	65	52	48	26	40	40	150	Junction Temp.
10	Output choke	L507	67	27	13	16	14	20	130	
11	Output Capacitor	C510	21	9	8	7	5	4	105	
12	Voltage regulator	IC701	25	20	18	18	16	17	150	Junction Temp.
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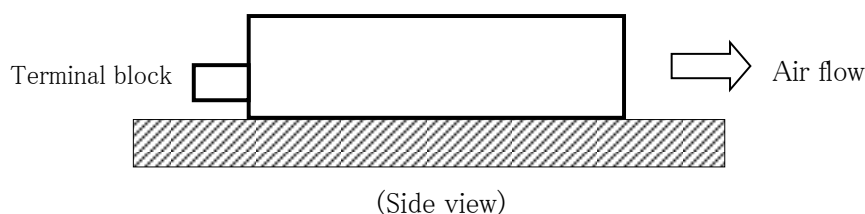


Fig.1.1 Mounting method

*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。