

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

Model : PJA100F

1. Conditions

- (1) Input : AC 85 ~ 264 [V]
 (2) Output : Rated output *Derating is required at AC85-115[V] input.
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			12V	15V	24V	36V	48V			
1	Line filter	L101	69	65	64	66	62		130	
2	Rectifier(Input)	SS101	78	77	74	73	71		150	Junction Temp.
3	Choke coil(PFC)	L103	73	69	68	63	64		130	
4	Input capacitor	C121	45	41	37	37	35		105	
5	Rectified diode(PFC)	D101	64	60	59	56	57		150	Junction Temp.
6	Transistor(PFC)	TR101	52	47	44	43	42		150	Junction Temp.
7	Switching transistor	TR201	61	57	48	48	49		150	Junction Temp.
8	Transformer	T201	66	61	52	53	52		130	
9	Rectified diode(Output)	SS501	69	63	46	47	42		150	Junction Temp.
10	Output Choke	L501	48	43	41	35	30		120	
11	Output Capacitor	C505	42	38	29	31	27		105	
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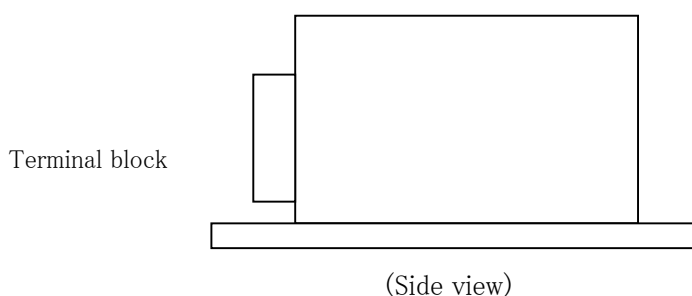


Fig.1.1 Mounting method

*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。