

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

Model : PJA150F

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	72	70	63	62	65		130	
2	Rectifier(Input)	SS101	85	81	79	76	78		150	Junction Temp.
3	Choke coil(PFC)	L103	77	72	70	71	72		130	
4	Input capacitor	C121	47	46	40	41	42		105	
5	Rectified diode(PFC)	D101	72	68	63	68	70		150	Junction Temp.
6	Transistor(PFC)	TR101	61	56	50	54	55		150	Junction Temp.
7	Switching transistor	TR201	67	69	53	59	63		150	Junction Temp.
8	Transformer	T201	70	70	61	65	58		130	
9	Rectified diode(Output)	SS501	71	63	51	48	43		150	Junction Temp.
10	Output Choke	L501	56	50	55	40	42		130	
11	Output Capacitor	C506	53	48	38	34	34		105	
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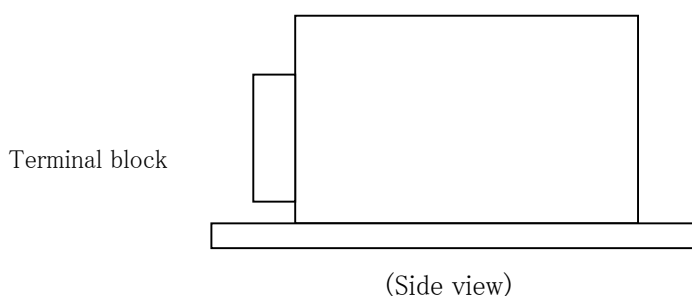


Fig.1.1 Mounting method

*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。