

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

Model: PJA1000F

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 (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			12V	15V	24V	36V	48V			
1	Line Filter	L102	27	35	35	34	33		130	
2	Rectifier(Input)	SS101	52	65	47	58	39		150	Junction Temp.
3	Inrush Current Limiting Triac	TRC101	56	53	48	57	45		150	Junction Temp.
4	Choke Coil(Pfc)	L103	52	45	51	57	45		130	
5	Input Capacitor	C131	16	15	13	13	14		105	
6	Rectified Diode(Pfc)	SS103	44	44	35	41	38		150	Junction Temp.
7	Transistor(Pfc)	TR102	43	48	41	44	41		150	Junction Temp.
8	Switching Transistor	TR201	49	56	47	47	60		150	Junction Temp.
9	Transformer	T201	40	48	35	56	43		130	
10	Rectified Diode(Output)	SS504	54	39	30	34	27		150	Junction Temp.
11	Output Choke	L517	20	32	23	43	22		130	
12	Output Capacitor	C501	6	7	4	3	3		105	
13	Voltage Regulator	IC701	31	29	21	32	20		150	Junction Temp.
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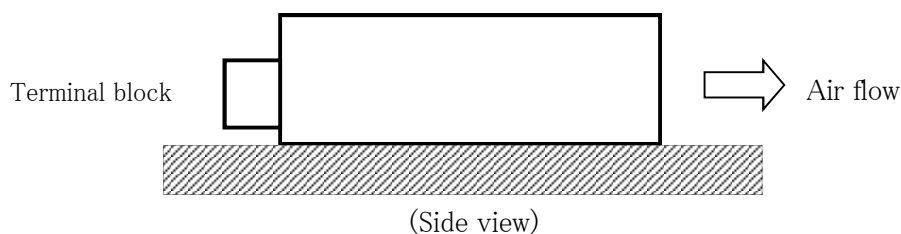


Fig.1.1 Mounting method

*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。