

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

Model: PJA1500F

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 (Δ T)							Rated temp. [°C]	Reference
			[deg]								
			12V	15V	24V	36V	48V				
1	Line Filter	L102	53	46	50	43	50		130		
2	Rectifier(Input)	SS101	71	64	48	50	41		150	Junction Temp.	
3	Inrush Current Limiting Triac	TRC101	58	57	44	59	42		150	Junction Temp.	
4	Choke Coil(Pfc)	L103	64	65	59	64	63		130		
5	Input Capacitor	C130	11	12	16	13	14		105		
6	Rectified Diode(Pfc)	SS103	51	46	35	47	33		150	Junction Temp.	
7	Transistor(Pfc)	TR102	70	65	52	60	53		150	Junction Temp.	
8	Switching Transistor	TR201	57	70	63	64	59		150	Junction Temp.	
9	Transformer	T201	55	51	55	68	56		130		
10	Rectified Diode(Output)	SS504	77	67	42	36	34		150	Junction Temp.	
11	Output Choke	L517	48	66	42	52	51		130		
12	Output Capacitor	C501	10	8	6	11	5		105		
13	Voltage Regulator	IC701	37	32	34	32	28		150	Junction Temp.	
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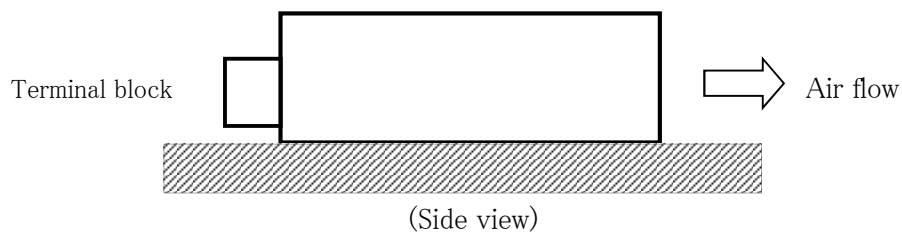


Fig.1.1 Mounting method

*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。