

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

Model : PJA600F

1. Conditions

- (1) Input : AC 100 ~ 264 [V]
 (2) Output : Rated output
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT) [deg]						Rated temp. [°C]	Reference
			5V	12V	15V	24V	36V	48V		
1	Line filter	L101	30	38	32	34	35	33	120	
2	Rectifier(Input)	SS101	65	75	73	73	73	70	150	Junction Temp.
3	Inrush Current Limiting Thyristor	SCR101	65	65	62	62	63	62	130	Junction Temp.
4	Choke coil(PFC)	L103	40	47	43	45	40	41	130	
5	Input capacitor	C121	18	18	14	13	15	16	105	
6	Rectified diode(Output)	SS102	36	40	37	39	40	38	150	Junction Temp.
7	Transistor(PFC)	TR102	41	46	45	44	44	44	150	Junction Temp.
8	Switching transistor	TR201	60	60	60	51	49	54	150	Junction Temp.
9	Transformer	T201	42	31	33	27	25	25	130	
10	Rectified Diode(Output)	SS501	54	61	52	38	32	41	150	Junction Temp.
11	Output Choke	L507	37	28	28	26	15	17	130	
12	Output Capacitor	C512	37	20	18	10	7	10	105	
13	Voltage Regulator	IC701	28	28	37	27	28	19	150	Junction Temp.
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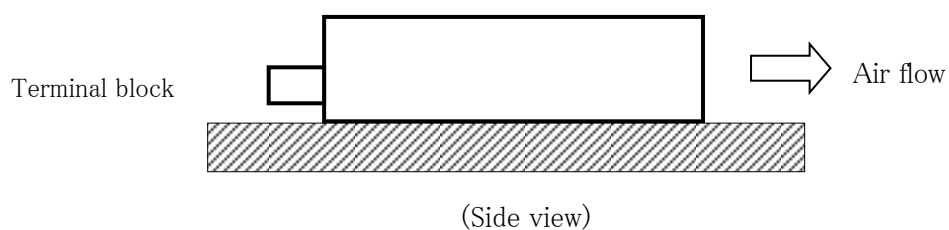


Fig.1.1 Mounting method

*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。