

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

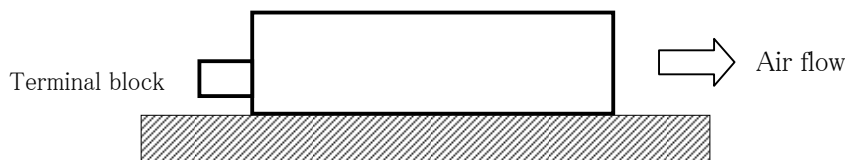
Model : PLA300F

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]							
			5V	12V	15V	24V	36V	48V		
1	Line filter	L102	21	27	23	21	21	20	120	
2	Rectifier(Input)	SS101	63	69	40	56	61	53	150	Junction Temp.
3	Choke coil(PFC)	L103	59	60	56	52	49	38	130	
4	Input capacitor	C121	27	28	22	18	20	20	105	
5	Rectified diode(Output)	SS102	52	52	52	45	44	45	150	Junction Temp.
6	Transistor(PFC)	TR102	42	62	56	42	49	49	150	Junction Temp.
7	Switching transistor	TR201	70	70	69	58	69	61	150	Junction Temp.
8	Transformer	T201	52	51	47	42	44	49	130	
9	Rectified diode(Output)	SS501	61	67	55	32	42	42	150	Junction Temp.
10	Output Choke	L507	53	29	20	15	22	23	130	
11	Output Capacitor	C512	17	7	5	7	4	4	105	
12	Voltage Regulator	IC701	27	23	26	24	28	35	150	Junction Temp.
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(Side view)

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。