

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

Model : PLA600F

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	30	36	43	33	36	36	120	
2	Rectifier(Input)	SS101	77	77	73	77	77	77	150	Junction Temp.
3	Inrush Current Limiting Thyristor	SCR101	75	76	77	72	74	74	150	Junction Temp.
4	Choke coil(PFC)	L103	52	57	51	58	47	51	130	
5	Input capacitor	C121	25	17	17	18	14	14	105	
6	Rectified diode(Output)	SS102	56	56	60	51	57	49	150	Junction Temp.
7	Transistor(PFC)	TR102	62	61	69	58	62	63	150	Junction Temp.
8	Switching transistor	TR201	64	63	54	54	59	49	150	Junction Temp.
9	Transformer	T201	34	44	36	38	23	32	130	
10	Rectified Diode(Output)	SS502	72	69	62	48	37	34	150	Junction Temp.
11	Output Choke	L507	54	29	26	24	23	22	130	
12	Output Capacitor	C513	37	25	15	15	9	4	105	
13	Voltage Regulator	IC701	46	39	38	37	33	29	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。