

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

Model : PLA100F

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	63	66	62	57	50		120	
2	Rectifier(Input)	SS101	81	83	81	74	70		150	Junction Temp.
3	Choke coil(PFC)	L103	64	65	60	57	52		130	
4	Input capacitor	C121	43	41	38	33	29		105	
5	Rectified diode(Output)	D101	72	60	67	54	52		150	Junction Temp.
6	Transistor(PFC)	TR101	62	58	57	45	42		150	Junction Temp.
7	Switching transistor	TR201	74	70	69	45	42		150	Junction Temp.
8	Transformer	T201	65	64	64	52	45		130	
9	Rectified diode(Output)	SS501	62	62	52	52	40		150	Junction Temp.
10	Output Choke	L501	41	40	33	33	25		120	
11	Output Capacitor	C501	41	39	34	32	27		105	
12										
13										
14										
15										
16										
17										
18										
19										
20										

Terminal block



(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。