

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

Model : PLA150F

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	77	77	76	68	66		130	
2	Rectifier(Input)	SS101	87	85	80	78	78		150	Junction Temp.
3	Choke coil(PFC)	L103	68	68	68	63	62		130	
4	Input capacitor	C121	48	49	47	44	43		105	
5	Rectified diode(Output)	D101	79	76	67	67	66		150	Junction Temp.
6	Transistor(PFC)	TR101	78	78	71	70	69		150	Junction Temp.
7	Switching transistor	TR201	76	80	76	75	72		150	Junction Temp.
8	Transformer	T201	69	70	64	69	64		130	
9	Rectified diode(Output)	SS501	78	70	66	75	51		150	Junction Temp.
10	Output Choke	L501	62	48	62	40	56		130	
11	Output Capacitor	C516	40	43	39	36	32		105	
12										
13										
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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。