

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

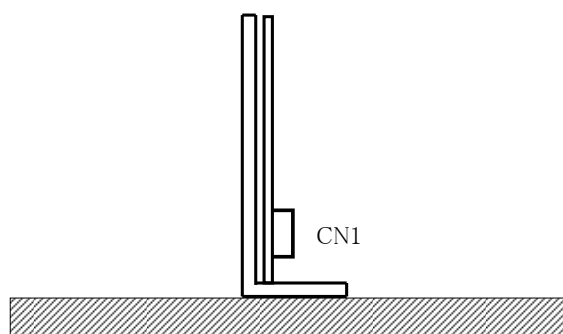
Model: PMA100F

## 1. Conditions

- (1) Input : AC 85 ~ 264 [V]  
 (2) Output : Rated output  
 (3) Mounting method : Shown as Fig.1.1

## 2. Result

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )							Rated temp. [°C]	Reference
			[deg]								
			3.3V	5V	12V	24V	48V				
1	Line Filter	L102	31	53	47	44	45			130	
2	Rectifier(Input)	SS101	49	66	63	63	65			150	Junction Temp.
3	Choke Coil(Pfc)	L103	30	38	38	40	38			120	
4	Transistor(Pfc)	TR102	30	39	38	33	33			150	Junction Temp.
5	Rectified Diode(Pfc)	SS103	42	53	54	51	47			150	Junction Temp.
6	Input Capacitor	C118	37	36	39	29	28			105	
7	Switching Transistor	TR201	53	59	43	44	39			150	Junction Temp.
8	Transformer	T201	47	70	51	49	46			130	
9	Rectified Mos-Fet(Output)	TR502	57	68	-	-	-			150	Junction Temp.
10	Rectified Diode(Output)	SS502	-	-	68	48	41			150	Junction Temp.
11	Output Choke	L507	41	48	43	39	53			120	
12	Output Capacitor	C505	32	34	30	25	24			105	
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Fig.1.1 Mounting method  
(position A)

\*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。