

Date : Dec.1,2023

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

Model: PDA50F

1. Conditions

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

2. Result

No.	Parts name	Symbol No.	Increase (ΔT) [deg]					Rated temp. [°C]	Reference
			5V	12V	24V				
1	Line Filter	L101	59	55	58			130	
2	Rectifier(Input)	SS101	70	67	68			150	Junction Temp.
3	Input Capacitor	C201	35	27	31			105	
4	Switching Transistor	TR201	63	67	66			150	Junction Temp.
5	Transformer	T201	-	59	59			130	
6			67	-	-			155	
7	Rectifying Diode(Output)	D502	-	77	64			150	Junction Temp.
8	Transistor (Output)	TR501	69	-	-			150	Junction Temp.
9	Output Choke Coil	L501	54	46	36			130	
10	Output Capacitor	C501	34	19	17			105	
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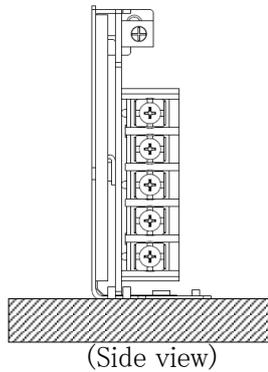


Fig.1.1 Mounting method (Normal position)