

Date : Nov.25,2025

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

Model: PDA30F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output *Derating is required at 85~90[VAC] input
- (3) Mounting method :As shown in Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT) [deg.]						Rated temp. [°C]	Reference
			3.3V	5V	12V	15V	24V			
1	Line Filter	L101	31	53	57	59	56		130	
2	Rectifier(Input)	SS101	37	52	53	57	56		150	Junction Temp.
3	Input Capacitor	C201	14	21	20	22	21		105	
4	Switching Transistor	TR201	35	65	65	62	54		150	Junction Temp.
5	Transformer	T201	30	44	50	52	55		130	
6	Rectifying Diode(Output)	SS501	-	-	59	64	51		150	Junction Temp.
7	Transistor (Output)	TR501	38	49	-	-	-		150	Junction Temp.
8	Output Choke Coil	L501	33	37	38	29	27		130	
9	Output Capacitor	C501	15	18	17	18	17		105	
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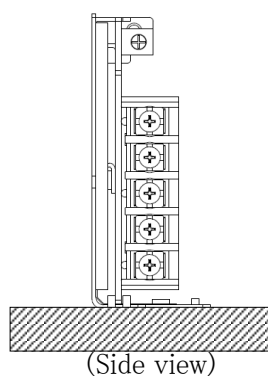


Fig.1.1 Mounting method
(Normal position)