

Date : Nov.25,2025

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

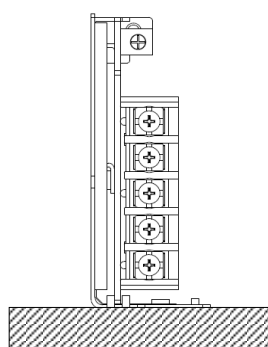
Model: PDA50F

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
			3.3V	5V	12V	15V	24V	36V	48V		
1	Line Filter	L101	37	59	55	58	58	53	48	130	
2	Rectifier(Input)	SS101	53	70	67	70	68	67	72	150	Junction Temp.
3	Input Capacitor	C201	23	35	27	31	31	30	31	105	
4	Switching Transistor	TR201	44	63	67	67	66	59	65	150	Junction Temp.
5	Transformer	T201	47	—	59	60	59	56	60	130	
6			—	67	—	—	—	—	—	155	
7	Rectifying Diode(Output)	D502	—	—	77	70	64	50	43	150	Junction Temp.
8	Transistor (Output)	TR501	56	69	—	—	—	—	—	150	Junction Temp.
9	Output Choke Coil	L501	43	54	46	36	36	27	25	130	
10	Output Capacitor	C501	30	34	19	17	17	25	25	105	
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(Side view)

Fig.1.1 Mounting method
(Normal position)