

Date : Nov.25,2025

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

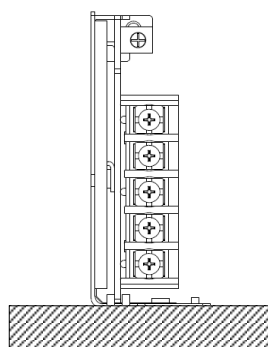
Model: PDA150F

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	36V	48V		
1	Line Filter	L101	33	48	46	45	45	48	48	130	
2	Rectifier(Input)	SS101	53	71	72	70	67	72	72	150	Junction Temp.
3	Choke Coil	L104	43	60	57	57	53	61	63	130	
4	Switching Transistor	TR101	50	70	52	58	54	64	66	150	Junction Temp.
5	Rectifying Diode	D101	53	57	56	53	51	68	58	150	Junction Temp.
6	Input Capacitor	C122	33	46	36	38	36	39	36	105	
7	Switching Transistor	TR201	53	62	52	56	46	58	56	150	Junction Temp.
8	Transformer	T201	60	71	62	62	66	62	65	130	
9	Rectifying Diode(Output)	D501	—	—	—	—	63	—	—	175	Junction Temp.
10	Rectifying Diode(Output)	D501	—	—	—	—	—	77	61	150	Junction Temp.
11	Rectifying Transistor(Output)	TR501	52	58	49	30	—	—	—	150	Junction Temp.
12	Output Capacitor	C531	28	30	22	16	16	21	19	105	
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(Side view)

Fig.1.1 Mounting method
(Normal position)