

Date : Nov.25,2025

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

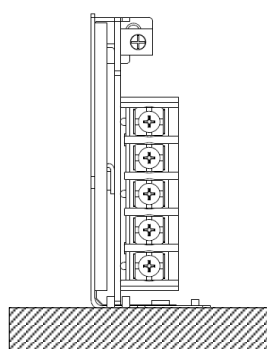
Model: PDA100F

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	30	42	39	41	45	44	43	130	
2	Rectifier(Input)	SS101	53	69	70	68	66	73	71	150	Junction Temp.
3	Choke Coil	L104	34	46	45	43	48	46	46	130	
4	Switching Transistor	TR101	41	46	49	41	54	56	50	150	Junction Temp.
5	Rectifying Diode	D101	41	43	46	38	53	47	33	150	Junction Temp.
6	Input Capacitor	C122	26	33	29	30	35	45	48	105	
7	Switching Transistor	TR201	38	44	44	42	49	48	59	150	Junction Temp.
8	Transformer	T201	43	54	49	47	60	57	59	130	
9	Rectifying Diode(Output)	D501	-	-	-	-	55	-	-	175	Junction Temp.
10	Rectifying Transistor(Output)	D501	-	-	-	-	-	74	60	150	Junction Temp.
11	Rectifying Transistor(Output)	TR501	39	45	43	35	-	-	-	150	Junction Temp.
12	Output Capacitor	C531	23	26	25	21	28	26	105	105	
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(Side view)

Fig.1.1 Mounting method
(Normal position)