

Date : Nov.13,2025

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

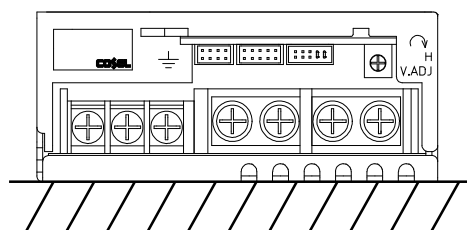
Model: PDA300F

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	27	64	50	50	58	58	45	130	
2	Line filter	L102	22	48	44	38	37	48	36	130	
3	Rectifier(Input)	SS101	39	53	56	51	49	56	51	150	Junction Temp.
4	Choke coil(PFC)	L103	20	33	33	31	32	30	29	130	
5	Switching transistor(PFC)	TR101	29	45	43	46	45	48	42	150	Junction Temp.
6	Rectifying diode(PFC)	D102	20	35	29	32	31	33	29	150	Junction Temp.
7	Input capacitor	C117	6	10	11	9	8	6	7	105	
8	Switching transistor(DC/DC)	TR301	46	51	62	54	57	48	47	150	Junction Temp.
9	Transformer	T302	44	62	53	68	87	53	75	155	
10	Rectifying transistor(Output)	SS501	56	64	61	43	39	44	35	150	Junction Temp.
11	Rectifying transistor(Output)	SS502	54	59	51	49	45	41	38	150	Junction Temp.
12	Output Choke	L509	47	55	38	37	33	32	26	130	
13	Output capacitor	C512	30	36	28	25	23	21	22	105	
14	Output capacitor	C514	-	-	31	28	26	23	21	105	
15											
16											
17											
18											
19											
20											



(Side view)

Fig.1.1 Mounting method
(Normal position)