

Date : Nov.13,2025

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

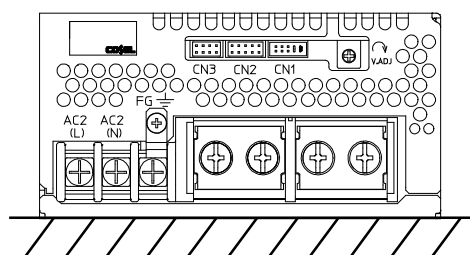
Model: PDA600F

### 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 ( $\Delta T$ ) [deg]								Rated temp. [°C]	Reference
			3.3V	5V	12V	15V	24V	36V	48V			
1	Line filter	L101	27	54	61	57	54	53	43	130		
2	Line filter	L102	21	44	46	44	46	43	35	130		
3	Rectifier(Input)	SS101	40	63	66	67	65	60	54	150	Junction Temp.	
4	Choke coil(PFC)	L103	17	37	36	38	37	41	28	130		
5	Switching transistor(PFC)	TR101	31	62	69	62	48	62	53	150	Junction Temp.	
6	Rectifying diode(PFC)	D101	31	50	58	60	58	44	42	150	Junction Temp.	
7	Inrush Current Limiting Thyristor	SCR101	49	58	58	58	55	49	52	150	Junction Temp.	
8	Input capacitor	C117	5	8	12	10	10	9	12	105		
9	Switching transistor1(DCDC)	TR301	34	48	53	59	49	59	60	150	Junction Temp.	
10	Switching transistor2(DCDC)	TR303	40	51	49	57	59	53	49	150	Junction Temp.	
11	Transformer	T302	49	78	56	43	77	49	53	155		
12	Rectifying transistor1(Output)	SS501	55	67	60	50	43	59	32	150	Junction Temp.	
13	Rectifying transistor2(Output)	SS502	63	69	55	51	41	56	41	150	Junction Temp.	
14	Output Choke	L509	—	—	39	43	41	40	35	130		
15			67	69	—	—	—	—	—	155		
16	Output capacitor	C509	37	45	29	26	32	35	24	105		
17	Output Capacitor	C513	—	—	25	22	25	26	21	105		
18												
19												
20												



(Side view)

Fig.1.1 Mounting method  
(Normal position)