

Date : Jun.2,2025

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

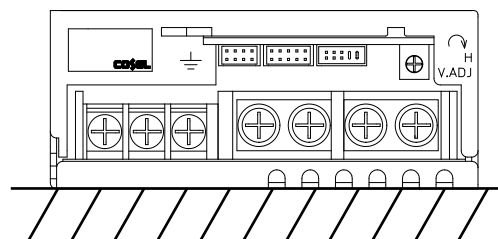
Model: PDA300F

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
			12V	15V	24V	36V	48V		
1	Line Filter	L101	53	53	53	58	45	130	
2	Line Filter	L102	53	53	53	48	36	130	
3	Rectifier(Input)	SS101	53	53	53	56	29	150	Junction Temp.
4	Choke coil(PFC)	L103	53	53	53	29	29	130	
5	Switching transistor(PFC)	TR101	53	53	53	48	7	150	Junction Temp.
6	Rectifying diode(PFC)	D101	53	53	53	33	47	175	Junction Temp.
7	Input capacitor	C117	53	53	53	6	75	105	
8	Switching transistor(DCDC)	TR301	53	53	53	48	35	150	Junction Temp.
9	Transformer	T302	53	53	53	72	38	140	
10	Rectifying transistor(Output)	SS501	53	53	53	44	51	150	Junction Temp.
11	Rectifying transistor(Output)	T302	53	53	53	41	42	150	Junction Temp.
12	Output Choke	L507	38	37	33	32	26	130	
13	Output capacitor	C512	28	25	23	21	22	105	
14	Output capacitor	C514	31	28	26	23	21	125	
15									
16									
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19									
20									



(Side view)

Fig.1.1 Mounting method
(Normal position)