

Date : Jan.17,2025

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

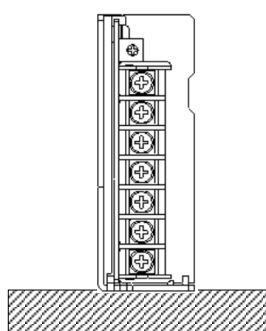
Model: PDA150F

## 1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output
- (3) Mounting method :As shown in Fig.1.1

## 2. Result

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	15V	24V				
1	Line Filter	L101	48	46	45	45			130	
2	Rectifier(Input)	SS101	71	72	70	67			150	Junction Temp.
3	Choke Coil(PFC)	L104	60	57	57	53			130	
4	Switching Transistor(PFC)	TR101	70	52	58	54			150	Junction Temp.
5	Rectifying Diode(PFC)	D101	57	56	53	51			150	Junction Temp.
6	Input Capacitor	C122	46	36	38	36			105	
7	Switching Transistor	TR201	62	52	56	46			150	Junction Temp.
8	Transformer	T201	71	62	62	66			130	
9	Rectifying Diode(Output)	D501	–	–	–	63			175	Junction Temp.
10	Rectifying Transistor(Output)	TR501	58	49	51	–			150	Junction Temp.
11	Output Capacitor	C531	30	22	16	16			105	
12										
13										
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method  
(Normal position)