

Date : Jan.17,2025

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

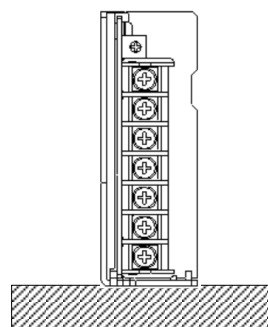
Model: PDA100F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output
- (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	42	39	41	45			130	
2	Rectifier(Input)	SS101	69	70	68	66			150	Junction Temp.
3	Choke Coil(PFC)	L104	46	45	43	48			130	
4	Switching Transistor(PFC)	TR101	46	49	41	54			150	Junction Temp.
5	Rectifying Diode(PFC)	D101	43	46	38	53			150	Junction Temp.
6	Input Capacitor	C122	33	29	30	35			105	
7	Switching Transistor	TR201	44	44	42	49			150	Junction Temp.
8	Transformer	T201	54	49	47	60			130	
9	Rectifying Diode(Output)	D501	-	-	-	55			175	Junction Temp.
10	Rectifying Transistor(Output)	TR501	45	43	35	-			150	Junction Temp.
11	Output Capacitor	C531	26	25	21	28			105	
12										
13										
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method  
(Normal position)