

Date : May 15,2026

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

Model: FDA200F

1. Conditions

- (1) Input :AC 180 ~ 528 [V]
- (2) Output :Rated output *Derating is required at 180~200[VAC] input
- (3) Mounting method :As shown in Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			24V							
1	Line Filter	L101	58.9						130	
2	Rectifier(Input)	SS101	67.6						150	Junction Temp.
3	Line Filter	L111	38.1						130	
4	Choke Coil(Pfc)	L201	67.8						130	
5	Transistor(Pfc)	TR201	54.2						175	Junction Temp.
6	Rectifying Diode(Pfc)	SS201	54.6						175	Junction Temp.
7	Switching Transistor	TR301	59.5						175	Junction Temp.
8	Switching Transistor	TR302	63						175	Junction Temp.
9	Input Capacitor	C301	44.8						105	
10	Transformer	T301	76.2						155	
11	Rectifying Diode(Output)	SS501	76.1						150	Junction Temp.
12	Rectifying Diode(Output)	SS502	75.9						150	Junction Temp.
13	Output Capacitor	C502	56.5						125	
14	Output Capacitor	C503	49						125	
15										
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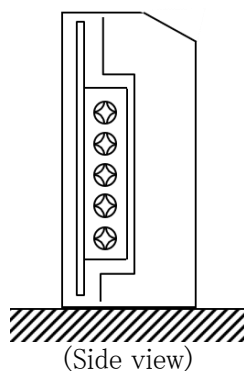


Fig.1.1 Mounting method
(Normal position)