

Date : May 15,2026

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

Model: FDA150F

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	39						130	
2	Rectifier(Input)	SS101	54.1						150	Junction Temp.
3	Line Filter	L111	31.1						130	
4	Choke Coil(Pfc)	L201	56.7						130	
5	Transistor(Pfc)	TR201	47.3						175	Junction Temp.
6	Rectifying Diode(Pfc)	SS201	47.1						175	Junction Temp.
7	Switching Transistor	TR301	51.1						175	Junction Temp.
8	Switching Transistor	TR302	53.9						175	Junction Temp.
9	Input Capacitor	C301	38.2						105	
10	Transformer	T301	60.8						155	
11	Rectifying Diode(Output)	SS501	61.1						150	Junction Temp.
12	Rectifying Diode(Output)	SS502	60.9						150	Junction Temp.
13	Output Capacitor	C502	45.5						125	
14	Output Capacitor	C503	39.8						125	
15										
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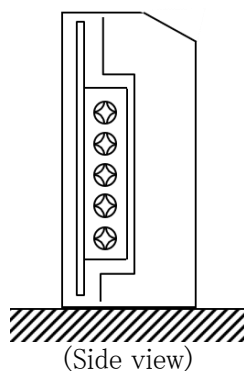


Fig.1.1 Mounting method
(Normal position)