

Date : May 15,2026

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

Model: FDA50F

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	17.9						130	
2	Rectifier(Input)	SS101	25.4						150	Junction Temp.
3	Input Capacitor	C301	19.1						105	
4	Input Capacitor	C302	16.7						105	
5	Switching Transistor	TR301	31.2						150	Junction Temp.
6	Switching Transistor	TR302	32.7						150	Junction Temp.
7	Transformer	T301	33.4						130	
8	Rectifying Diode(Output)	SS501	41.3						150	Junction Temp.
9	Rectifying Diode(Output)	SS502	40.7						150	Junction Temp.
10	Output Capacitor	C501	21.8						105	
11	Output Capacitor	C502	19.3						105	
12	Output Capacitor	C504	13						105	
13	Output Choke	L501	17.8						130	
14										
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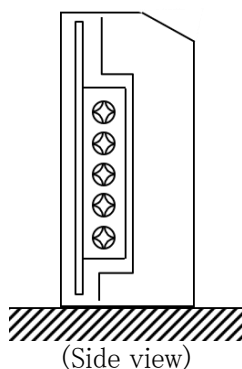


Fig.1.1 Mounting method
(Normal position)