

Date : May 15,2026

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

Model: FDA75F

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	32.1						130	
2	Rectifier(Input)	SS101	37.5						150	Junction Temp.
3	Input Capacitor	C301	29.9						105	
4	Input Capacitor	C302	25.2						105	
5	Switching Transistor	TR301	63.1						150	Junction Temp.
6	Switching Transistor	TR302	68.1						150	Junction Temp.
7	Transformer	T301	50.1						130	
8	Rectifying Diode(Output)	SS501	61.3						150	Junction Temp.
9	Rectifying Diode(Output)	SS502	60.3						150	Junction Temp.
10	Output Capacitor	C501	31.8						105	
11	Output Capacitor	C502	27.6						105	
12	Output Capacitor	C504	18.7						105	
13	Output Choke	L501	27.3						130	
14										
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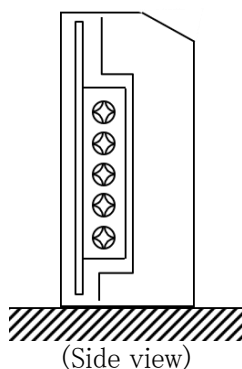


Fig.1.1 Mounting method
(Normal position)