COSEL

Date : Nov.9,2026

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

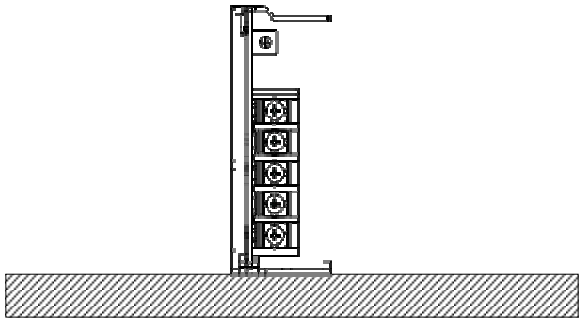
Model: PDA75F

1. Conditions

(1) Input : 85 ～ 264 [VAC]
(2) Output : Rated output
(3) Mounting method : As shown in Fig.1.1

2. Results

No.	Part name	Symbol No.	Increase (△T) [deg]						Rated temp. [℃]	Reference
			5V	12V	15V	24V				
1	Line filter	L101	47	40	44	40			130	
2	Rectifier(Input)	SS101	57	50	54	42			150	Junction temperature.
3	Choke coil (PFC)	L104	53	51	52	48			120	
4	Switching Transistor (PFC)	TR101	54	49	47	44			150	Junction temperature.
5	Diode (PFC)	D101	46	45	45	36			150	Junction temperature.
6	Input Capacitor	C122	35	31	31	30			105	
7	Switching Transistor	TR201	50	44	49	41			150	Junction temperature.
8	Transformer	T201	66	49	55	46			155	
9	Rectifying Diode(Output)	D501	-	-	-	41			150	Junction temperature.
10	Rectifying Transistor(Output)	TR501	60	48	68	-			175	Junction temperature.
11	Output Capacitor	C531	31	20	18	20			105	
12										
13										
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method
(Normal position)