

Date : Mar.7,2025

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

Model: TEPS10F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
 (2) Output :Rated output *Derating is required at AC85~90[V] input.
 (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	15V	24V				
1	Input Rectifier	SS101	28	23	22	19			150	Junction Temp.
2	Input Capacitor	C111	23	17	16	15			105	
3	Switching Transistor	TR301	51	46	51	44			150	Junction Temp.
4	Transformer	T101	34	27	30	27			130	
5	Output Rectifying Diode	D601	63	–	–	33			150	Junction Temp.
6	Output Rectifying Diode	D601	–	40	39	–			175	Junction Temp.
7	Output Capacitor	C602	36	25	–	–			105	
8	Output Capacitor	C602	–	–	24	22			125	
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

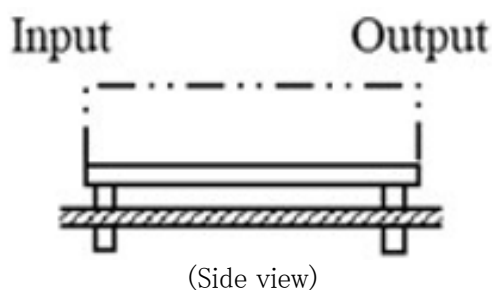


Fig.1.1 Mounting method
(Normal position)

*All information presented herein are not guaranteed.

*本資料は参考資料であり、その内容を保証するものではありません。