

Date : Oct.2,2023

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

Model : TECS65F

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) [deg]			Rated temp. [°C]	Reference
			5V	12V	24V		
1	Rectifier (Input)	SS102	70	75	83	150	Junction Temp.
2	Input Capacitor	C111	43	54	46	105	
3	Input Choke coil	L111	62	76	73	125	
4	Switching transistor (Low Side)	TR501	71	84	81	150	Junction Temp.
5	Switching transistor (High Side)	TR511	70	81	78	150	Junction Temp.
6	Rectifying transistor (Output)	TR601	75	76	77	175	Junction Temp.
7	Output Choke coil	L601	68	71	63	125	
8	Output Capacitor	C704	50	51	45	125	
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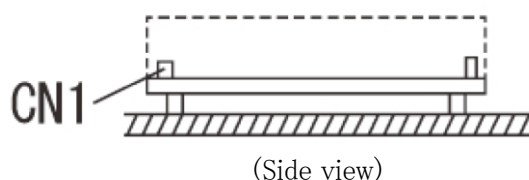


Fig.1.1 Mounting method
(Normal position)

*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。