

Date : Oct.25,2016

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

Model: TUXS200F series

1. Conditions

- (1) Input : AC 85 ~ 264 [V]
 (2) Output : Rated output
 (3) Aluminum base plate temp : 95 [°C] (TUXS200F50,42) (Fig1.1)
 90 [°C] (TUXS200F32) (Fig1.1)
 85 [°C] (TUXS200F28) (Fig1.1)
 80 [°C] (TUXS200F24) (Fig1.1)

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			50V	42V	32V	28V	24V			
1	Input Diode	SS101	19.6	24.3	28.1	25.8	20.5		150	Junction Temp.
2	Choke Coil(PFC)	L201	19.7	27.9	28.7	28.8	33.9		150	
3	Rectified Diode(PFC)	D201	8.6	17.7	18.6	19.5	21.6		150	Junction Temp.
4	Switching MOS-FET	TR201	14.2	16.5	17.8	15.0	20.5		150	Junction Temp.
5	Switching MOS-FET	TR301	6.5	9.2	5.5	6.6	11.2		150	Junction Temp.
6	Transformer	T301	25.9	30.2	22.3	27.1	44.2		155	
7	Switching MOS-FET	TR501	22.7	13.6	15.3	16.3	29.2		150	Junction Temp.
8	Choke Coil(Output)	L501	14.3	13.0	19.4	20.1	35.9		150	
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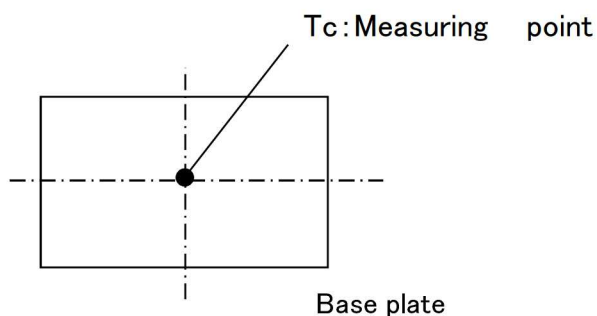


Fig.1.1 Measuring point of aluminum base plate temperature

* 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。