

Temperature increase of main components

Model: TUHS3F05,TUHS3F12,TUHS3F15,TUHS3F24

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output
- (3) Cooling method :Convection cooling
- (4) Mounting method :Shown as Fig.1.1

2. Result

Table 2.1 Temperature increase of main components

No.	Parts name	Symbol No.	Increase (ΔT)				Rated temp. [°C]	Reference
			[deg]					
			5V	12V	15V	24V		
1	Input Diode	SS101	16	18	15	14	150	Junction Temp.
2	Input Choke Coil	L101	15	16	13	12	130	
3	Switching MOS-FET	TR102	26	25	24	20	150	Junction Temp.
4	Transformer	T101	24	25	25	24	130	
5	Rectified Diode(Output)	D201	31	28	22	27	150	Junction Temp.
6	Output Choke Coil	L201	24	22	20	20	125	
7	Case	-	24	25	23	20	-	
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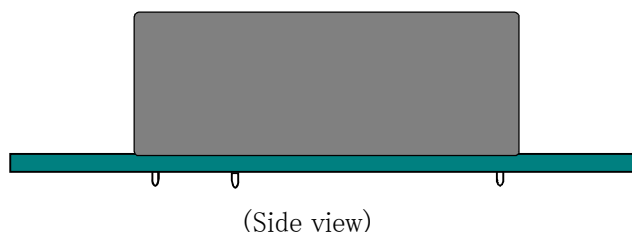


Fig.1.1 Mounting method
(Normal position)