

Temperature increase of main components

Model: TUHS10F05,TUHS10F12,TUHS10F15,TUHS10F24

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	37	30	35	33	150	Junction Temp.
2	Input Choke Coil	L101	34	26	33	29	130	
3	Switching MOS-FET	TR102	47	36	39	37	150	Junction Temp.
4	Transformer	T101	46	38	40	37	130	
5	Rectified Diode(Output)	D201	64	44	47	42	150	Junction Temp.
6	Output Choke Coil	L201	50	36	36	35	125	
7	Case	-	42	36	36	33	-	
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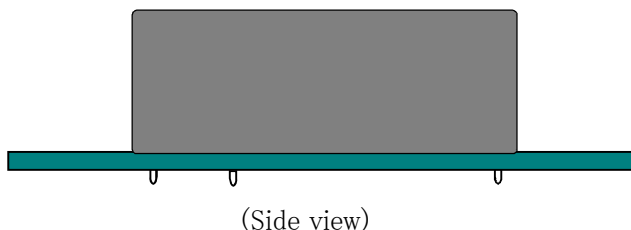


Fig.1.1 Mounting method
(Normal position)