

Temperature increase of main components

Model: TUHS5F05,TUHS5F12,TUHS5F15,TUHS5F24

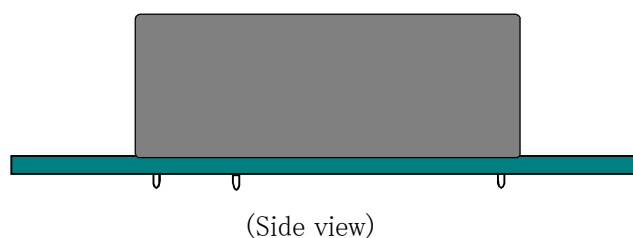
## 1. Conditions

- (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 ( $\Delta T$ )				Rated temp. [°C]	Reference
			[deg]					
			5V	12V	15V	24V		
1	Input Diode	SS101	27	24	20	26	150	Junction Temp.
2	Input Choke Coil	L101	22	19	18	20	130	
3	Switching MOS-FET	TR102	34	29	35	31	150	Junction Temp.
4	Transformer	T101	34	29	29	31	130	
5	Rectified Diode(Output)	D201	49	40	34	37	150	Junction Temp.
6	Output Choke Coil	L201	33	27	25	27	125	
7	Case	—	34	28	28	31	—	
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Fig.1.1 Mounting method  
(Normal position)