

Temperature increase of main components

Model: TUHS15F12,TUHS15F15,TUHS15F24

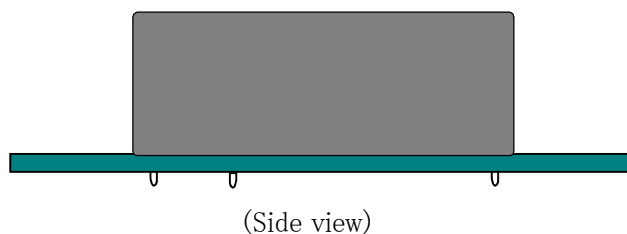
1. Conditions

- (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

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No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[deg]				
			12V	15V	24V		
1	Input Diode	SS101	48	47	43	150	Junction Temp.
2	Input Choke Coil	L101	48	49	41	130	
3	Switching MOS-FET	TR102	58	57	49	150	Junction Temp.
4	Transformer	T101	61	61	51	130	
5	Rectified Diode(Output)	D201	70	70	56	150	Junction Temp.
6	Output Choke Coil	L201	62	58	44	125	
7	Case	—	53	54	39	—	
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Fig.1.1 Mounting method
(Normal position)