

Temperature increase of main components

Model: SUT□312□□

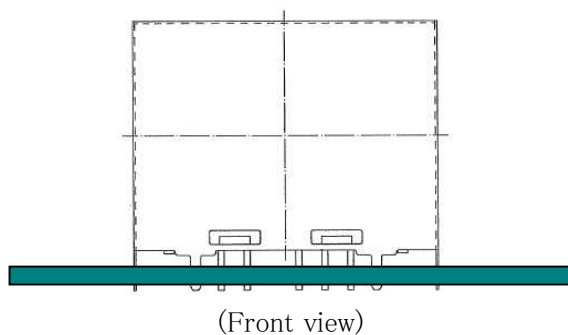
## 1. Conditions

- (1) Input :DC 9 - 18 [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]							
			3.3V	5V	12V	15V	±12V	±15V		
1	Transformer	T11	28	37	37	40	43	36	155	
2	Switching Transistor	TR11	30	39	36	39	37	39	150	Junction Temp.
3	Rectified diode(Output)	D51	37	48	44	44	—	—	150	Junction Temp.
4	Rectified Diode(Output)	D52	—	—	—	—	48	45	150	Junction Temp.
5	Input Choke	L11	26	36	32	36	32	33	150	
6	Output Choke	L51	30	38	33	34	—	—	150	
7	Output Choke	L52	—	—	—	—	37	37	125	
8	Photocoupler	PC11	31	38	40	45	38	41	125	Junction Temp.
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Fig.1.1 Mounting method  
(Normal position)