

Temperature increase of main components

Model: SUT□305□□

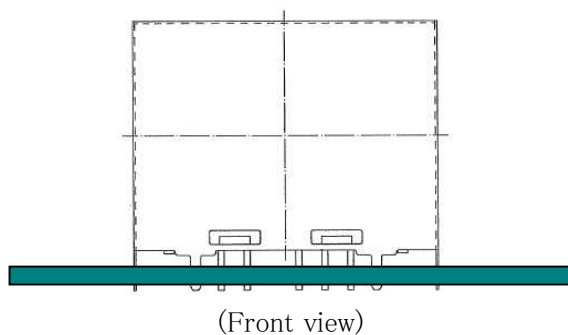
## 1. Conditions

- (1) Input :DC 4.5 - 9 [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	34	45	41	41	44	42	155	
2	Switching Transistor	TR11	38	56	52	54	53	52	150	Junction Temp.
3	Rectified diode(Output)	D51	38	46	46	43	—	—	150	Junction Temp.
4	Rectified Diode(Output)	D52	—	—	—	—	53	46	150	Junction Temp.
5	Input Choke	L11	31	44	42	37	45	40	150	
6	Output Choke	L51	31	39	35	34	—	—	150	
7	Output Choke	L52	—	—	—	—	41	37	125	
8	Photocoupler	PC11	39	42	43	46	45	44	125	Junction Temp.
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

Fig.1.1 Mounting method  
(Normal position)