

Date : Apr.22,2009

Temperature increase of main components

Model: SUT□324□□

1. Conditions

- (1) Input :DC 18 - 36 [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]							
			3.3V	5V	12V	15V	±12V	±15V		
1	Transformer	T11	34	39	40	38	40	40	155	
2	Switching Transistor	TR11	38	42	44	38	38	38	150	Junction Temp.
3	Rectified diode(Output)	D51	39	45	49	42	—	—	150	Junction Temp.
4	Rectified Diode(Output)	D52	—	—	—	—	46	49	150	Junction Temp.
5	Input Choke	L11	32	36	38	35	31	40	150	
6	Output Choke	L51	33	37	37	34	—	—	150	
7	Output Choke	L52	—	—	—	—	36	41	125	
8	Photocoupler	PC11	38	44	45	42	42	45	125	Junction Temp.
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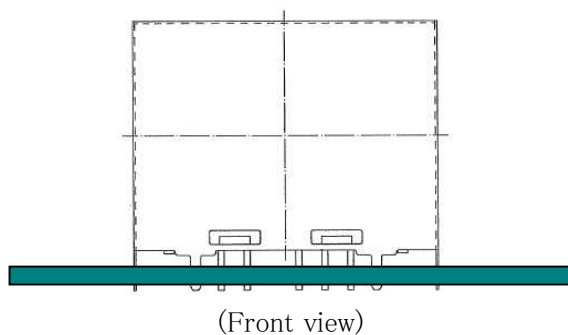


Fig.1.1 Mounting method
(Normal position)