

Temperature increase of main components

Model: SUT□624□□

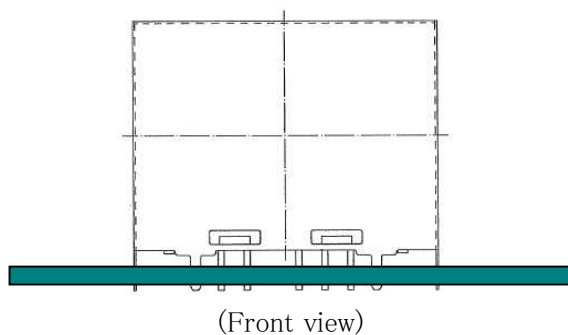
1. Conditions

- (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

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	Switching Transistor	TR11	58	58	53	48	54	48	150	Junction Temp.
2	Rectified Diode(Output)	D71	75	68	50	46	49	45	150	Junction Temp.
3	Transformer	T11	56	55	55	46	46	43	155	
4	Photocoupler	PC11	53	58	46	45	48	45	125	Junction Temp.
5	Output Capacitor	C71	60	55	45	37	43	40	125	
6	Transistor	TR21	53	53	53	50	48	47	150	Junction Temp.
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

Fig.1.1 Mounting method
(Normal position)