

Temperature increase of main components

Model: SUT□605□□

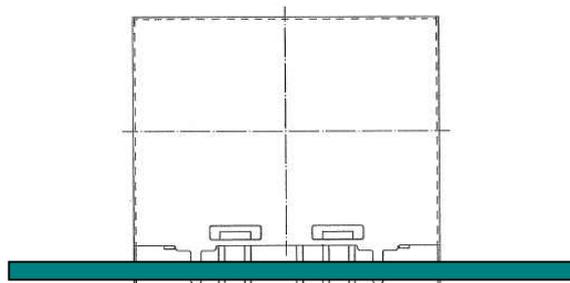
1. Conditions

- (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 (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			3.3V	5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Switching Transistor	TR11	53	57	64	61	69	63	150	Junction Temp.
2	Rectified Diode(Output)	D71	71	66	55	50	59	52	150	Junction Temp.
3	Transformer	T11	61	55	65	55	64	55	155	
4	Photocoupler	PC11	58	54	51	50	55	46	125	Junction Temp.
5	Output Capacitor	C71	58	51	45	42	54	47	125	
6	Transistor	TR21	52	53	48	52	59	54	150	Junction Temp.
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(Front view)

Fig.1.1 Mounting method
(Normal position)