

Date : Apr.6,2005

Temperature increase of main components

Model: SUS/SUW605

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

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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	56	47	54	53	51	47	150	Junction Temp.
2	Rectified Diode(Output)	D71	66	56	45	41	47	44	150	Junction Temp.
3	Transformer	T11	67	60	68	61	59	56	155	
4	Photocoupler	PC11	56	45	43	43	40	39	125	Junction Temp.
5	Output Capacitor	C71	50	41	38	35	41	38	125	
6	Transistor	TR21	53	45	45	44	40	40	150	Junction Temp.
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(Side view)

Fig.1.1 Mounting method
(Normal position)