

Date : Apr 11,2005

Temperature increase of main components

Model: SUS/SUW348

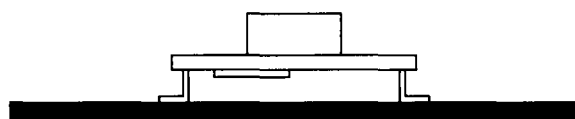
## 1. Conditions

- (1) Input :DC 36 - 76 [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	$\pm 12V$	$\pm 15V$		
1	Transformer	T11	44	51	53	51	54	54	155	
2	Switching Transistor	TR11	47	44	48	44	45	45	150	Junction temp.
3	Rectified Diode(Output)	D51	42	47	46	43	-	-	150	Junction temp.
4	Rectified Diode(Output)	D52	-	-	-	-	45	41	150	Junction temp.
5	Input Choke	L11	30	32	33	32	32	33	130	
6	Output Choke	L51	26	28	30	25	-	-	130	
7	Output Choke	L52	-	-	-	-	31	28	125	
8	Photocoupler	PC11	39	41	40	40	40	42	125	Junction temp.
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10										
11										
12										
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(Side view)

Fig.1.1 Mounting method  
(Normal position)