

Date : Apr.6,2005

Temperature increase of main components

Model: SUS/SUW648

## 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	±12V	±15V		
1	Switching Transistor	TR11	46	38	36	31	41	37	150	Junction Temp.
2	Rectified Diode(Output)	D71	65	51	34	31	42	38	150	Junction Temp.
3	Transformer	T11	55	51	44	37	52	45	155	
4	Photocoupler	PC11	41	35	30	27	32	32	125	Junction Temp.
5	Output Capacitor	C71	49	39	27	23	36	32	125	
6	Transistor	TR21	39	33	31	27	35	34	150	Junction Temp.
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(Side view)

Fig.1.1 Mounting method  
(Normal position)