

Date : Oct 15,2004

Temperature increase of main components

Model: SUS/SUW1R524

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	Transformer	T11	34	45	28	31	37	31	155	
2	Switching Transistor	TR11	24	30	20	25	28	24	150	Junction temp.
3	Rectified Diode(Output)	D50	—	—	—	—	32	28	150	Junction temp.
4	Rectified Diode(Output)	D51	36	38	31	34	—	—	150	Junction temp.
5	Input Choke	L11	24	29	22	25	27	25	125	
6	Output Choke	L50	—	—	—	—	21	18	125	
7	Output Choke	L51	20	29	13	18	—	—	125	
8	Photocoupler	PC11	27	33	25	26	30	27	125	Junction temp.
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method
(Normal position)