

Date : Apr.6,2005

Temperature increase of main components

Model: SUS/SUW624

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	$\pm 12V$	$\pm 15V$		
1	Switching Transistor	TR11	44	47	46	43	41	39	150	Junction Temp.
2	Rectified Diode(Output)	D71	67	60	42	39	42	36	150	Junction Temp.
3	Transformer	T11	57	59	57	52	46	43	155	
4	Photocoupler	PC11	42	45	42	42	38	38	125	Junction Temp.
5	Output Capacitor	C71	50	46	35	33	36	34	125	
6	Transistor	TR21	41	44	45	44	38	39	150	Junction Temp.
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method
(Normal position)