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Temperature increase of main components

Model: SUCS/SUCW624

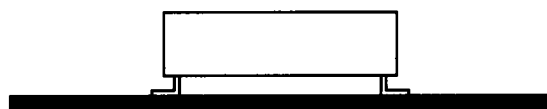
## 1. Conditions

- (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

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	46	45	41	41	39	150	Junction Temp.
2	Rectified Diode(Output)	D71	66	59	42	39	40	36	150	Junction Temp.
3	Transformer	T11	52	51	50	46	41	40	155	
4	Photocoupler	PC11	48	49	44	42	41	40	125	Junction Temp.
5	Output Capacitor	C71	50	44	34	32	34	34	125	
6	Transistor	TR21	43	43	45	42	38	38	150	Junction Temp.
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(Side view)

Fig.1.1 Mounting method  
(Normal position)