

Temperature increase of main components

Model: SUCS/SUCW648

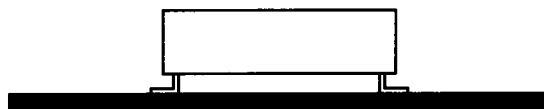
1. Conditions

- (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	Switching Transistor	TR11	47	40	37	32	42	39	150	Junction Temp.
2	Rectified Diode(Output)	D71	63	51	35	32	42	38	150	Junction Temp.
3	Transformer	T11	49	46	41	34	49	41	155	
4	Photocoupler	PC11	47	40	33	30	39	37	125	Junction Temp.
5	Output Capacitor	C71	47	39	28	24	37	33	125	
6	Transistor	TR21	40	34	32	28	36	35	150	Junction Temp.
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(Side view)

Fig.1.1 Mounting method (Normal position)