

Temperature increase of main components

Model: SUCS/SUCW348

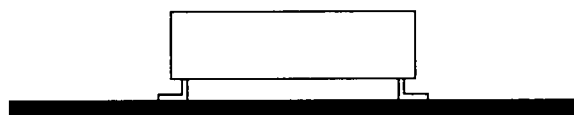
1. Conditions

- (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

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No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			3.3V	5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Transformer	T11	35	47	39	38	42	41	155	
2	Switching Transistor	TR11	48	46	47	47	45	46	150	Junction temp.
3	Rectified Diode(Output)	D51	42	49	47	44	-	-	150	Junction temp.
4	Rectified Diode(Output)	D52	-	-	-	-	43	30	150	Junction temp.
5	Input Choke	L11	32	35	34	36	35	36	130	
6	Output Choke	L51	29	32	32	29	-	-	130	
7	Output Choke	L52	-	-	-	-	33	31	125	
8	Photocoupler	PC11	42	46	44	45	44	47	125	Junction temp.
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(Side view)

Fig.1.1 Mounting method
(Normal position)