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Temperature increase of main components

Model: SUCS/SUCW1R548

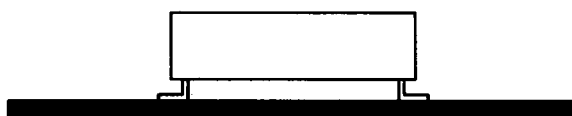
1. Conditions

- (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

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	35	45	33	32	38	30	155	
2	Switching Transistor	TR11	44	48	37	37	43	34	150	Junction temp.
3	Rectified Diode(Output)	D50	–	–	–	–	40	33	150	Junction temp.
4	Rectified Diode(Output)	D51	42	41	40	39	–	–	150	Junction temp.
5	Input Choke	L11	33	35	31	31	35	29	125	
6	Output Choke	L50	–	–	–	–	30	23	125	
7	Output Choke	L51	29	33	25	23	–	–	125	
8	Photocoupler	PC11	38	42	34	34	39	32	125	Junction temp.
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18										
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20										



(Side view)

Fig.1.1 Mounting method
(Normal position)