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Temperature increase of main components

Model: SUS/SUW612

1. Conditions

- (1) Input :DC 9 - 18 [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	±12V	±15V		
1	Switching Transistor	TR11	51	49	46	44	44	44	150	Junction Temp.
2	Rectified Diode(Output)	D71	69	64	45	38	44	42	150	Junction Temp.
3	Transformer	T11	57	68	63	55	52	50	155	
4	Photocoupler	PC11	48	49	44	40	41	39	125	Junction Temp.
5	Output Capacitor	C71	54	50	37	30	36	36	125	
6	Transistor	TR21	49	49	46	41	42	44	150	Junction Temp.
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(Side view)

Fig.1.1 Mounting method
(Normal position)