

Temperature increase of main components

Model: SUCS/SUCW612

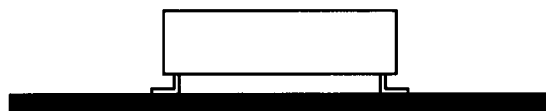
1. Conditions

- (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

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			3.3V	5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Switching Transistor	TR11	51	54	48	46	46	47	150	Junction Temp.
2	Rectified Diode(Output)	D71	67	69	47	40	46	44	150	Junction Temp.
3	Transformer	T11	51	70	59	53	50	50	155	
4	Photocoupler	PC11	50	58	49	44	45	45	125	Junction Temp.
5	Output Capacitor	C71	51	54	38	33	39	39	125	
6	Transistor	TR21	49	53	47	43	43	46	150	Junction Temp.
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(Side view)

Fig.1.1 Mounting method
(Normal position)