

Temperature increase of main components

Model: SUT□612□□

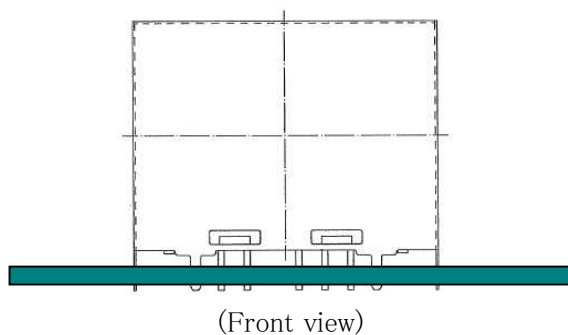
## 1. Conditions

- (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 ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			3.3V	5V	12V	15V	±12V	±15V		
1	Switching Transistor	TR11	63	62	53	47	49	50	150	Junction Temp.
2	Rectified Diode(Output)	D71	79	75	52	45	48	44	150	Junction Temp.
3	Transformer	T11	59	70	59	53	50	50	155	
4	Photocoupler	PC11	59	61	49	44	45	45	125	Junction Temp.
5	Output Capacitor	C71	64	60	42	36	44	41	125	
6	Transistor	TR21	59	61	55	46	51	52	150	Junction Temp.
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Fig.1.1 Mounting method  
(Normal position)