

Temperature increase of main components

Model: SUT□648□□

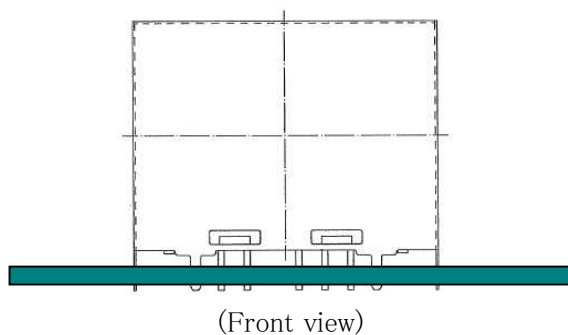
1. Conditions

- (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

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			3.3V	5V	12V	15V	±12V	±15V		
1	Switching Transistor	TR11	58	61	50	49	47	46	150	Junction Temp.
2	Rectified Diode(Output)	D71	75	76	53	48	46	45	150	Junction Temp.
3	Transformer	T11	54	64	55	46	49	42	155	
4	Photocoupler	PC11	55	59	45	46	45	43	125	Junction Temp.
5	Output Capacitor	C71	61	55	44	39	43	40	125	
6	Transistor	TR21	55	58	50	39	45	41	150	Junction Temp.
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Fig.1.1 Mounting method
(Normal position)