

Temperature increase of main components

Model: SUT□1005□□

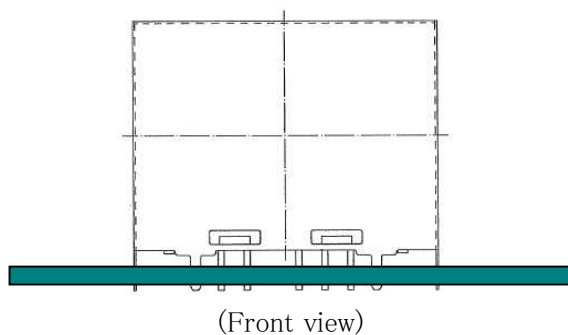
1. Conditions

- (1) Input :DC 4.5 - 9 [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	TR31	70	74	65	62	68	67	150	Junction Temp.
2	Transformer	T11	64	68	63	57	67	61	155	
3	Rectifying MOS-FET	TR51	77	72	—	—	—	—	150	Junction Temp.
4	Rectifying Diode	D52	78	72	70	62	58	57	150	Junction Temp.
5	Photocoupler	PC11	61	62	57	54	55	54	125	Junction Temp.
6	Input Choke Coil	L11	66	69	62	59	63	62	130	
7	Output Choke Coil	L51	68	63	53	46	55	53	130	
8	Output Capacitor	C51	68	62	55	51	56	54	125	
9	Power Control Ic	IC11	61	64	56	53	60	56	150	
10	Current Transformer	T12	64	69	61	57	63	60	155	
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Fig.1.1 Mounting method
(Normal position)