

Temperature increase of main components

Model: SUT□1024□□

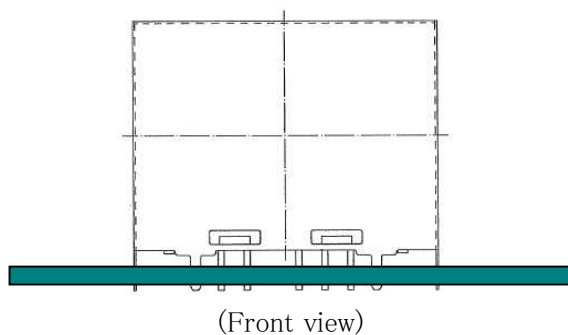
1. Conditions

- (1) Input :DC 18 - 36 [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	66	67	78	82	78	68	150	Junction Temp.
2	Transformer	T11	66	64	64	74	62	58	155	
3	Rectifying MOS-FET	TR51	72	68	—	—	—	—	150	Junction Temp.
4	Rectifying Diode	D52	69	69	73	77	53	48	150	Junction Temp.
5	Photocoupler	PC11	58	58	64	68	56	51	125	Junction Temp.
6	Input Choke Coil	L11	59	59	60	63	58	53	150	
7	Output Choke Coil	L51	68	64	54	55	51	46	130	
8	Output Capacitor	C51	66	62	57	59	52	48	125	
9	Power Control Ic	IC11	61	59	60	65	59	54	150	
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Fig.1.1 Mounting method
(Normal position)