COSEL

Date : Apr.22,2009

Temperature increase of main components

Model: SUT□348□□

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 (△T) [deg]						Rated temp. [℃]	Reference
			3.3V	5V	12V	15V	±12V	±15V		
1	Transformer	T11	35	47	39	41	44	46	155	
2	Switching Transistor	TR11	48	52	47	49	49	53	150	Junction Temp.
3	Rectified diode(Output)	D51	45	52	52	47	-	-	150	Junction Temp.
4	Rectified Diode(Output)	D52	-	-	-	-	51	52	150	Junction Temp.
5	Input Choke	L11	34	42	37	39	40	43	150	
6	Output Choke	L51	35	42	38	37	-	-	150	
7	Output Choke	L52	-	-	-	-	42	44	125	
8	Photocoupler	PC11	42	49	44	45	46	48	125	Junction Temp.
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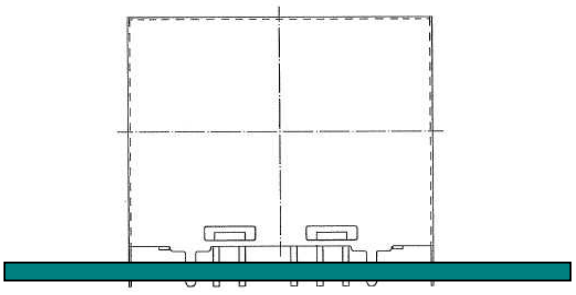

(Front view)

Fig.1.1 Mounting method
(Normal position)