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Temperature increase of main components: 主要部品温度上昇

Cosel.co.,ltd.

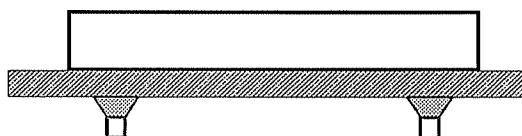
Model: ZUS605/ZUW605

1. Conditions

- (1) Input :DC 4.5 ~ 9 [V]
- (2) Output :Rated output
- (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)					Rated temp. [°C]	Reference
			[deg]						
			5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Transformer	T11	52	50	49	50	48	130	
2	Transistor	TR31	58	54	49	52	50	150	Junction Temp.
3	Switching Transistor	TR41	48	50	49	49	48	150	Junction Temp.
4	Photocoupler	PC11	41	41	34	34	38	125	Junction Temp.
5	Rectified Diode(Output)	D51	49	47	41	43	42	150	Junction Temp.
6	Output Choke	L51	42	41	36	38	37	120	
7	Output Capacitor	C55	36	40	32	-	-	125	
8	Output Capacitor	C55,C57	-	-	-	34	29	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)