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

Cosel.co.,ltd.

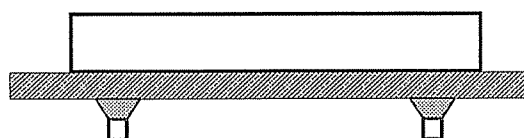
Model: ZUS1012/ZUW1012

1. Conditions

- (1) Input :DC 9 ~ 18 [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	60	58	61	62	60	130	
2	Switching Transistor	TR23	48	47	49	52	50	150	Junction Temp.
3	Rectified Diode(Output)	D51	65	45	46	47	49	150	Junction Temp.
4	Power Control Ic	IC11	49	48	51	45	50	150	Junction Temp.
5	Photocoupler	PC11	46	42	43	43	46	125	Junction Temp.
6	Output Choke	L51	51	38	41	40	45	120	
7	Output Capacitor	C55	44	36	40	—	—	125	
8	Output Capacitor	C55,C56	—	—	—	40	40	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)