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

Cosel.co.,ltd.

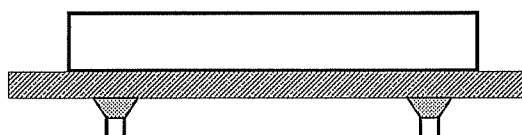
Model: ZUS1512/ZUW1512

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	$\pm 12V$	$\pm 15V$			
1	Transformer	T12	33	36	47	47		120	
2	Switching Transistor	TR16	47	54	69	54		S:150 W:175	Junction Temp.
3	Rectified Diode(Output)	SS71	44	44	58	48		150	Junction Temp.
4	Power Control Ic	IC11	32	32	45	39		125	Junction Temp.
5	Photocoupler	PC11	30	30	44	38		125	Junction Temp.
6	Output Choke	L71	32	32	51	40		120	
7	Output Capacitor	C73	29	29	—	—		125	
8	Output Capacitor	C72,C78	—	—	44	37		125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)