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

Cosel.co.,ltd.

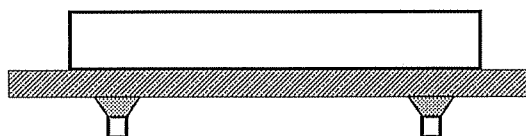
Model: ZUS1548/ZUW1548

1. Conditions

- (1) Input :DC 36 ~ 75 [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	35	33	30	37		120	
2	Switching Transistor	TR16	44	35	38	43		150	Junction Temp.
3	Rectified Diode(Output)	SS71	45	40	37	43		150	Junction Temp.
4	Power Control Ic	IC11	32	36	32	37		125	Junction Temp.
5	Photocoupler	PC11	29	28	28	33		125	Junction Temp.
6	Output Choke	L71	30	29	31	33		120	
7	Output Capacitor	C73	29	28	—	—		125	
8	Output Capacitor	C72,C78	—	—	28	33		125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)