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

Cosel.co.,ltd.

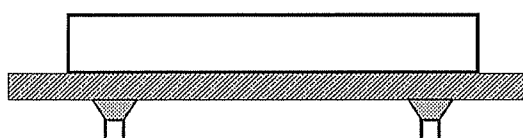
Model: ZUS648/ZUW648

1. Conditions

- (1) Input :DC 36 ~ 72 [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	41	38	38	38	130	
2	Transistor	TR31	54	42	47	45	43	150	Junction Temp.
3	Switching Transistor	TR41	35	35	35	43	36	150	Junction Temp.
4	Photocoupler	PC11	29	33	29	30	27	125	Junction Temp.
5	Rectified Diode(Output)	D51	53	38	35	36	37	150	Junction Temp.
6	Output Choke	L51	48	33	29	32	30	120	
7	Output Capacitor	C55	29	31	28	—	—	125	
8	Output Capacitor	C55,C57	—	—	—	29	24	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)