

Apr.13,2007

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

Cosel.co.,ltd.

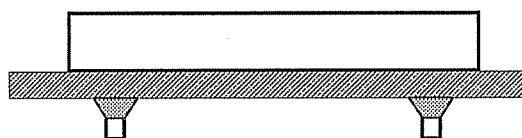
Model: ZUS1048/ZUW1048

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 ( $\Delta T$ )					Rated temp. [°C]	Reference
			[deg]						
			5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Transformer	T11	62	62	62	62	60	130	
2	Switching Transistor	TR23	49	50	48	51	50	150	Junction Temp.
3	Rectified Diode(Output)	D51	63	54	48	45	54	150	Junction Temp.
4	Power Control Ic	IC11	54	52	49	55	53	150	Junction Temp.
5	Photocoupler	PC11	46	46	47	48	48	125	Junction Temp.
6	Output Choke	L51	51	42	41	44	44	120	
7	Output Capacitor	C55	45	41	40	-	-	125	
8	Output Capacitor	C55,C56	-	-	-	43	41	125	
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(Side view)

Fig.1.1 Mounting method  
(Normal position)