

Apr.13,2007

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

Cosel.co.,ltd.

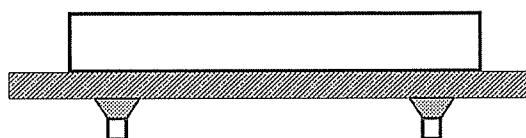
Model: ZUS1005/ZUW1005

1. Conditions

- (1) Input :DC 4.5 ~ 9 [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	61	61	58	60	130	
2	Switching Transistor	TR23	57	53	57	56	54	150	Junction Temp.
3	Rectified Diode(Output)	D51	62	51	53	48	49	150	Junction Temp.
4	Power Control Ic	IC11	53	51	51	50	49	150	Junction Temp.
5	Photocoupler	PC11	46	49	44	43	47	125	Junction Temp.
6	Output Choke	L51	46	39	39	43	38	120	
7	Output Capacitor	C55	43	39	41	—	—	125	
8	Output Capacitor	C55,C56	—	—	—	36	38	125	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									



(Side view)

Fig.1.1 Mounting method
(Normal position)