

Apr.13,2007

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

Cosel.co.,ltd.

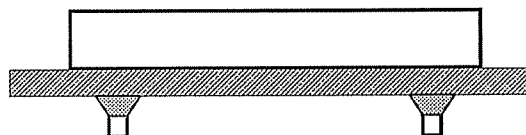
Model: ZUS312/ZUW312

## 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 ( $\Delta T$ )					Rated temp. [°C]	Reference
			[deg]						
			5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Transformer	T11	39	36	37	41	39	120	
2	Switching Transistor	TR11	38	38	36	39	36	150	Junction Temp.
3	Rectified Diode(Output)	D51	39	35	34	35	34	150	Junction Temp.
4	Photocoupler	PC11	31	32	33	37	36	125	Junction Temp.
5	Output Choke	L51	32	26	28	31	29	105	
6	Output Capacitor	C54	26	28	27	—	—	125	
7	Output Capacitor	C55,C56	—	—	—	30	29	125	
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									



(Side view)

Fig.1.1 Mounting method  
(Normal position)