

Apr.13,2007

Cosel.co.,ltd.

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

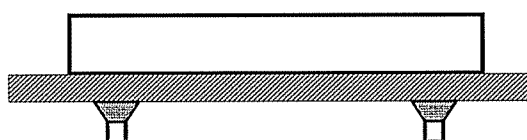
Model: ZUS1R548/ZUW1R548

## 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	35	34	29	32	29	120	
2	Switching Transistor	TR11	47	47	45	44	43	150	Junction Temp.
3	Rectified Diode(Output)	D51	60	60	37	56	52	150	Junction Temp.
4	Photocoupler	PC11	30	31	25	31	25	125	Junction Temp.
5	Output Choke	L51	24	25	23	25	19	105	
6	Output Capacitor	C54	24	25	20	—	—	125	
7	Output Capacitor	C53,C57	—	—	—	24	19	125	
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									



(Side view)

Fig.1.1 Mounting method  
(Normal position)