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Cosel.co.,ltd.

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

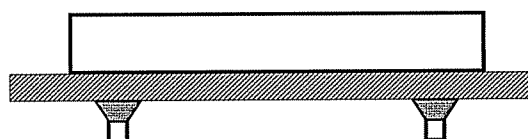
Model: ZUS1R505/ZUW1R505

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	33	34	34	32	34	120	
2	Switching Transistor	TR11	45	50	45	44	45	150	Junction Temp.
3	Rectified Diode(Output)	D51	59	46	58	54	57	150	Junction Temp.
4	Photocoupler	PC11	30	30	30	29	30	125	Junction Temp.
5	Output Choke	L51	24	25	24	23	25	105	
6	Output Capacitor	C54	24	24	24	—	—	125	
7	Output Capacitor	C53,C57	—	—	—	22	25	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)