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

Cosel.co.,ltd.

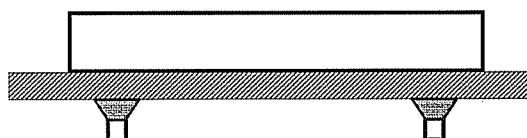
Model: ZUS1R524/ZUW1R524

1. Conditions

- (1) Input :DC 18 ~ 36 [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	40	39	40	31	32	120	
2	Switching Transistor	TR11	54	53	52	44	44	150	Junction Temp.
3	Rectified Diode(Output)	D51	65	63	64	55	34	150	Junction Temp.
4	Photocoupler	PC11	35	30	34	28	29	125	Junction Temp.
5	Output Choke	L51	30	28	28	22	24	105	
6	Output Capacitor	C54	30	29	29	–	–	125	
7	Output Capacitor	C55,C57	–	–	–	23	24	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)