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Cosel.co.,ltd.

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

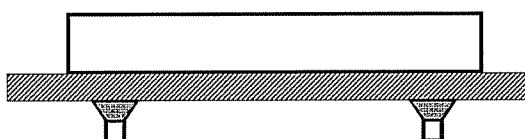
Model: ZUS1R512/ZUW1R512

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 (ΔT)					Rated temp. [°C]	Reference
			[deg]						
			5V	12V	15V	$\pm 12V$	$\pm 15V$		
1	Transformer	T11	41	40	40	39	44	120	
2	Switching Transistor	TR11	52	53	53	53	57	150	Junction Temp.
3	Rectified Diode(Output)	D51	67	64	63	41	65	150	Junction Temp.
4	Photocoupler	PC11	35	35	35	36	39	125	Junction Temp.
5	Output Choke	L51	30	33	29	31	33	105	
6	Output Capacitor	C54	30	29	32	–	–	125	
7	Output Capacitor	C53,C57	–	–	–	28	31	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)