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

Cosel.co.,ltd.

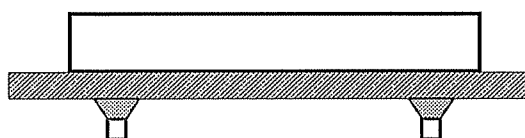
Model: ZUS612/ZUW612

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	41	55	130	
2	Transistor	TR31	48	61	48	44	54	150	Junction Temp.
3	Switching Transistor	TR41	45	43	45	43	57	150	Junction Temp.
4	Photocoupler	PC11	32	30	32	25	37	125	Junction Temp.
5	Rectified Diode(Output)	D51	39	35	38	36	49	150	Junction Temp.
6	Output Choke	L51	32	30	32	28	37	120	
7	Output Capacitor	C55	29	29	27	-	-	125	
8	Output Capacitor	C55,C57	-	-	-	31	42	125	
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(Side view)

Fig.1.1 Mounting method
(Normal position)