

Temperature increase of main components

Model: MGW3024□□

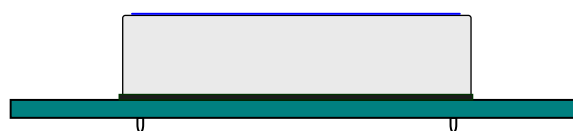
## 1. Conditions

- (1) Input :DC 24 [V]  
 (2) Output :Rated output  
 (3) Cooling method :Convection cooling  
 (4) Mounting method :Shown as Fig.1.1

## 2. Result

Table 2.1 Temperature increase of main components

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )			Rated temp. [°C]	Reference
			[deg]				
			± 5V	± 12V	± 15V		
1	Transformer	T101	51	–	48	150	
2	Switching MOS-FET	TR101	43	–	40	150	Junction Temp.
3	Rectified Diode(Output)	D201	54	–	46	150	Junction Temp.
4	Rectified Diode(Output)	D203	54	–	46	150	Junction Temp.
5	Output Choke Coil	L201	54	–	48	150	
6	Bipolar Transistor	TR113	41	–	39	150	Junction Temp.
7	Case	–	44	–	40	–	
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(Side view)

Fig.1.1 Mounting method  
(Normal position)