

Temperature increase of main components

Model: MGXW1R524□□

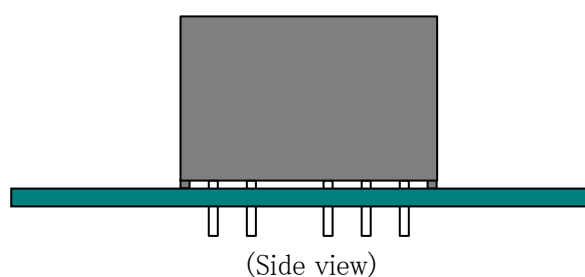
## 1. Conditions

- (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

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No.	Parts name	Symbol No.	Increase ( $\Delta T$ )		Rated temp. [°C]	Reference
			[deg]			
			±12V	±15V		
1	Switching MOS-FET	TR11	14	14	150	Junction Temp.
2	Switching MOS-FET	TR101	15	15	150	Junction Temp.
3	Power control IC	IC12	16	16	150	Junction Temp.
4	Rectified diode (Output)	D201	16	16	150	Junction Temp.
5	Rectified diode (Output)	D202	16	17	150	Junction Temp.
6	Photocoupler	PC11	15	15	125	Junction Temp.
7	Transformer (PCB)	P2	17	17	130	
8	CASE	CASE	15	15	110	Top Surface Center
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11						
12						
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14						
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16						
17						
18						
19						
20						

Fig.1.1 Mounting method  
(Normal position)