

Temperature increase of main components

Model: MGS324□□

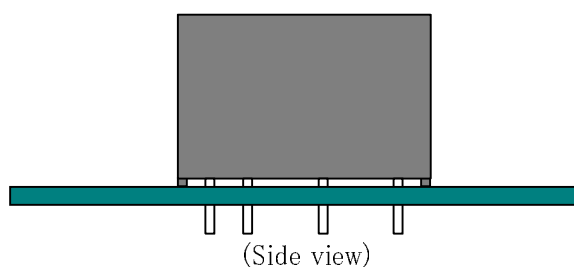
## 1. Conditions

- (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]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	29	29	25	26	150	Junction Temp.
2	Switching MOS-FET	TR101	24	25	22	23	150	Junction Temp.
3	Power control IC	IC11	28	27	23	24	150	Junction Temp.
4	Rectified diode (Output)	D201	31	34	27	28	150	Junction Temp.
5	Rectified diode (Output)	D202	34	37	28	30	150	Junction Temp.
6	Photocoupler	PC11	27	26	22	22	125	Junction Temp.
7	Transformer (PCB)	P2	32	31	25	26	130	
8	CASE	CASE	26	27	22	23	110	Top Surface Center
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Fig.1.1 Mounting method  
(Normal position)