

Date : Jan.31,2017

## Temperature increase of main components

Model: MGFS624□□

### 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	38	36	29	28	150	Junction Temp.
2	Switching MOS-FET	TR101	41	40	31	30	150	Junction Temp.
3	Rectified diode(Output)	D202	49	44	33	31	150	Junction Temp.
4	Photocoupler	PC11	39	36	28	27	125	Junction Temp.
5	Transformer (PCB)	P2	42	40	31	30	130	
6	CASE	CASE	37	35	29	28	105	Top Surface Center
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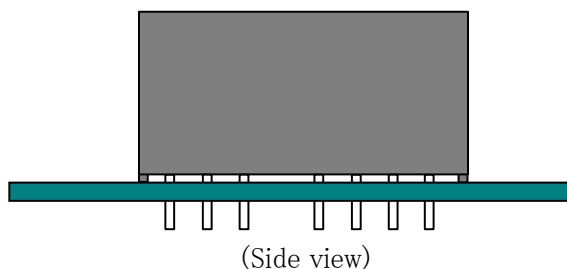


Fig.1.1 Mounting method  
(Normal position)