

Date : Jan.30,2017

Temperature increase of main components

Model: MGFS324□□

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 (ΔT)				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	29	29	24	24	150	Junction Temp.
2	Switching MOS-FET	TR101	32	32	26	27	150	Junction Temp.
3	Power control IC	IC12	30	30	24	25	150	Junction Temp.
4	Rectified diode (Output)	D201	36	34	27	28	150	Junction Temp.
5	Rectified diode (Output)	D202	38	37	27	27	150	Junction Temp.
6	Photocoupler	PC11	30	29	23	24	125	Junction Temp.
7	Transformer (PCB)	P2	34	33	27	27	130	
8	CASE	CASE	30	30	24	25	110	Top Surface Center
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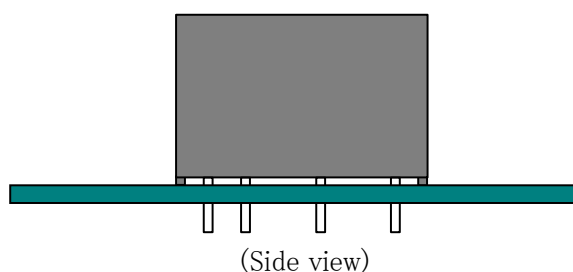


Fig.1.1 Mounting method
(Normal position)