

Temperature increase of main components

Model: MGFS1024□□

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	50	49	47	50	150	Junction Temp.
2	Switching MOS-FET	TR101	54	52	51	53	150	Junction Temp.
3	Power control IC	IC201	56	53	51	53	150	Junction Temp.
4	Rectified MOS-FET(Output)	TR201	60	56	53	57	150	Junction Temp.
5	Photocoupler	PC11	49	47	45	48	125	Junction Temp.
6	Transformer (PCB)	P2	55	53	51	54	130	
7	CASE	CASE	49	49	47	51	105	Top Surface Center
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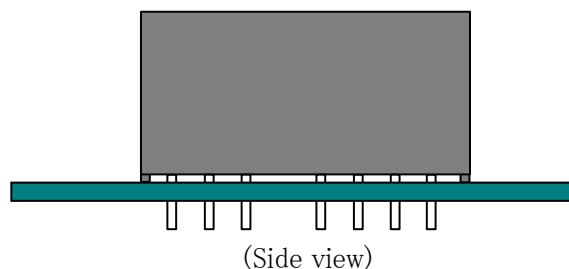


Fig.1.1 Mounting method (Normal position)