

Date : Jan.30,2017

Temperature increase of main components

Model: MGFW1R524□□

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

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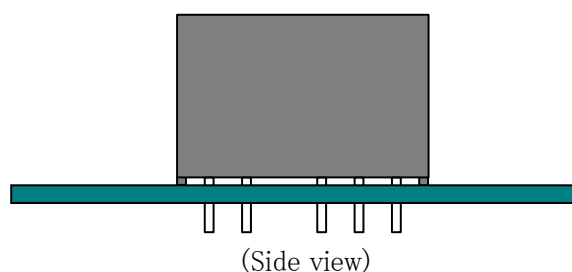


Fig.1.1 Mounting method
(Normal position)