

Temperature increase of main components

Model: MGS1R505□□

1. Conditions

- (1) Input :DC 5 [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 ( $\Delta T$ )				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	16	16	14	14	150	Junction Temp.
2	Power control IC	IC11	15	14	13	13	150	Junction Temp.
3	Rectified diode (Output)	D201	23	19	16	16	150	Junction Temp.
4	Photocoupler	PC11	15	14	12	12	125	Junction Temp.
5	Transformer (PCB)	P2	15	14	12	12	130	
6	CASE	CASE	14	13	11	11	110	Top Surface Center
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

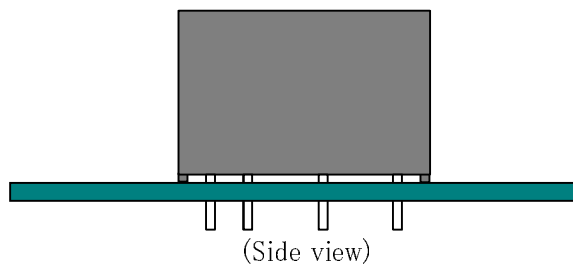


Fig.1.1 Mounting method (Normal position)