

Temperature increase of main components

Model: MGS1012□□

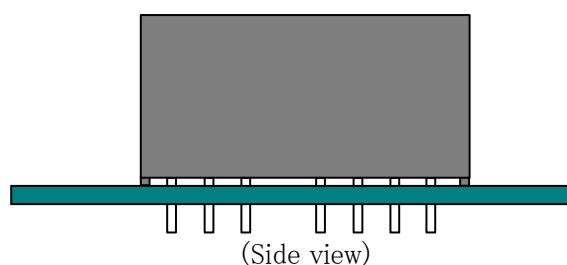
## 1. Conditions

- (1) Input :DC 12 [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 ( $\Delta T$ )				Rate d temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	46	47	46	42	150	Junction Temp.
2	Power control IC	IC11	43	43	42	39	150	Junction Temp.
3	Rectified MOS-FET(Output)	TR201	53	51	50	47	150	Junction Temp.
4	Photocoupler	PC11	43	43	42	39	125	Junction Temp.
5	Transformer (PCB)	P2	49	47	46	43	130	
6	CASE	CASE	41	43	43	39	105	Top Surface Center
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Fig.1.1 Mounting method  
(Normal position)