

Temperature increase of main components

Model: MGS1024□□

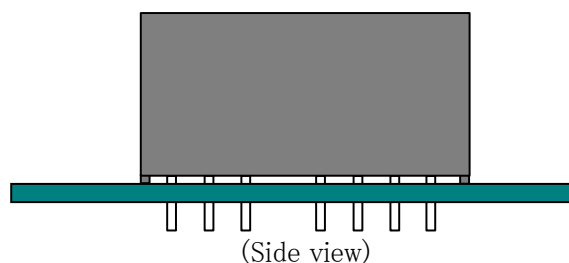
1. Conditions

- (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

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No.	Parts name	Symbol No.	Increase (ΔT)				Rate d temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	45	42	43	40	150	Junction Temp.
2	Power control IC	IC11	45	41	41	38	150	Junction Temp.
3	Rectified MOS-FET(Output)	TR201	54	48	50	46	150	Junction Temp.
4	Photocoupler	PC11	45	41	41	38	125	Junction Temp.
5	Transformer (PCB)	P2	50	46	46	43	130	
6	CASE	CASE	45	42	42	40	105	Top Surface Center
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Fig.1.1 Mounting method
(Normal position)