

Temperature increase of main components

Model: MGS305□□

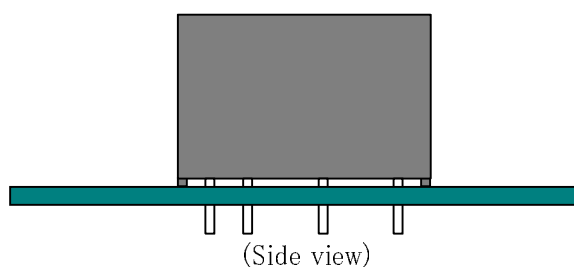
1. Conditions

- (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

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No.	Parts name	Symbol No.	Increase (ΔT)				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	29	29	25	26	150	Junction Temp.
2	Power control IC	IC11	27	28	23	24	150	Junction Temp.
3	Rectified diode (Output)	D201	36	37	34	28	150	Junction Temp.
4	Rectified diode (Output)	D202	39	34	28	30	150	Junction Temp.
5	Photocoupler	PC11	27	26	22	22	125	Junction Temp.
6	Transformer (PCB)	P2	32	29	25	22	130	
7	CASE	CASE	26	27	22	23	110	Top Surface Center
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Fig.1.1 Mounting method
(Normal position)