

Temperature increase of main components

Model: MGFS4005□□

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	TR101	62	70	67	62	150	Junction Temp.
2	Input Choke Coil	L101	65	74	63	60	150	
3	Rectified MOS-FET(Output)	TR501	63	66	58	56	150	Junction Temp.
4	Output Choke Coil	L501	53	57	49	46	150	
5	CASE	CASE	55	60	53	50	105	Top Surface Center
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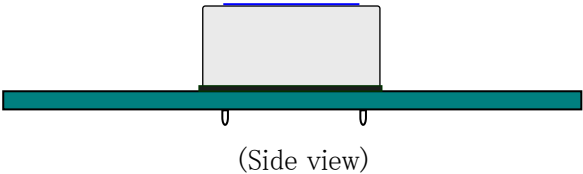


Fig.1.1 Mounting method  
(Normal position)