

Temperature increase of main components

Model: MGFW4024□□

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

No.	Parts name	Symbol No.	Increase (ΔT)		Rated temp. [°C]	Reference
			[deg]			
			±12V	±15V		
1	Switching MOS-FET	TR101	49	50	150	Junction Temp.
2	Input Choke Coil	L101	43	43	125	
3	Rectified MOS-FET(Output)	TR501	45	42	150	Junction Temp.
4	Output Choke Coil	L501	42	42	125	
5	Rectified MOS-FET(Output)	TR511	48	48	150	Junction Temp.
6	Output Choke Coil	L511	44	44	125	
7	CASE	CASE	42	41	110	Top Surface Center
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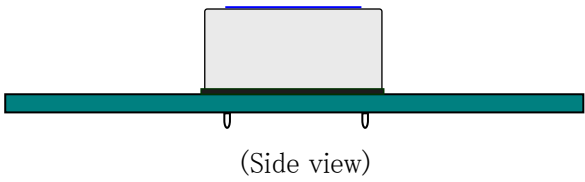


Fig.1.1 Mounting method (Normal position)