

Temperature increase of main components

Model: MGW1R548□□

1. Conditions

- (1) Input :DC 48 [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	TR11	15	16	150	Junction Temp.
2	Switching MOS-FET	TR101	16	17	150	Junction Temp.
3	Power control IC	IC11	15	16	150	Junction Temp.
4	Rectified diode (Output)	D201	17	19	150	Junction Temp.
5	Rectified diode (Output)	D202	18	19	150	Junction Temp.
6	Photocoupler	PC11	15	16	125	Junction Temp.
7	Transformer (PCB)	P2	17	18	130	
8	CASE	CASE	15	16	110	Top Surface Center
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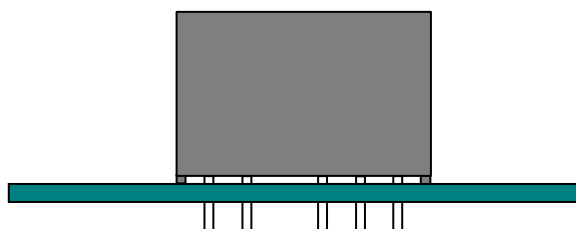


Fig.1.1 Mounting method