

Temperature increase of main components

Model: MGW612□□

1. Conditions

- (1) Input :DC 12 [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]			
			$\pm 12V$	$\pm 15V$		
1	Switching MOS-FET	TR11	28	28	150	Junction Temp.
2	Power control IC	IC11	28	28	150	Junction Temp.
3	Rectified diode (Output)	D201	32	32	150	Junction Temp.
4	Photocoupler	PC11	28	28	125	Junction Temp.
5	Transformer (PCB)	P2	29	30	130	
6	CASE	CASE	27	28	105	Top Surface Center
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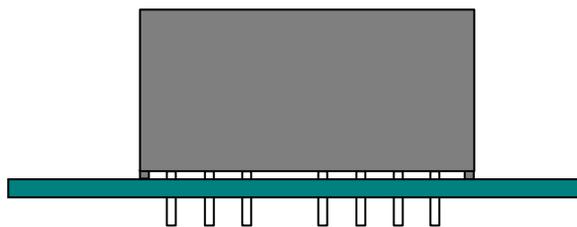


Fig.1.1 Mounting method