

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

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
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

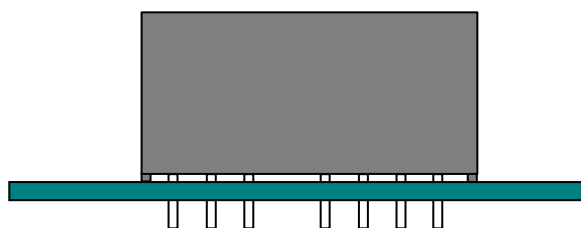


Fig.1.1 Mounting method