

Temperature increase of main components

Model: MGFW648□□

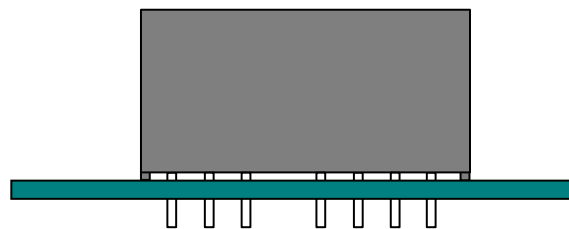
1. Conditions

- (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	29	25	150	Junction Temp.
2	Switching MOS-FET	TR101	30	27	150	Junction Temp.
3	Rectified diode(Output)	D202	33	28	150	Junction Temp.
4	Photocoupler	PC11	29	24	125	Junction Temp.
5	Transformer (PCB)	P2	31	27	130	
6	CASE	CASE	28	25	105	Top Surface Center
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(Side view)

Fig.1.1 Mounting method
(Normal position)