

Temperature increase of main components

Model: MGFW1548□□

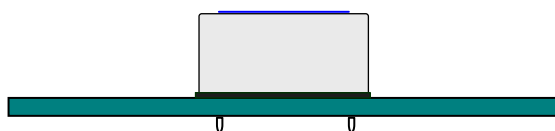
1. Conditions

- (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]				
			$\pm 5V$	$\pm 12V$	$\pm 15V$		
1	Transformer	T101	71	59	51	155	
2	Switching MOS-FET	TR101	68	57	52	150	Junction Temp.
3	Rectified Diode(Output)	D201	65	54	47	150	Junction Temp.
4	Output Choke Coil	L201	62	52	44	130	
5	Bipolar Transistor	TR113	61	54	47	150	Junction Temp.
6	Case	-	52	48	40	-	
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(Side view)

Fig.1.1 Mounting method (Normal position)