

Temperature increase of main components

Model: MGW1548□□

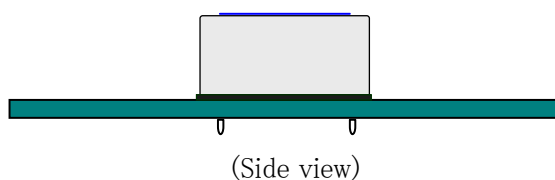
1. Conditions

- (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

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No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[deg]				
			$\pm 5V$	$\pm 12V$	$\pm 15V$		
1	Transformer	T101	66	54	49	155	
2	Switching MOS-FET	TR101	62	49	46	150	Junction Temp.
3	Rectified Diode(Output)	D201	60	49	43	150	Junction Temp.
4	Output Choke Coil	L201	59	47	42	130	
5	Bipolar Transistor	TR113	58	49	45	150	Junction Temp.
6	Case	—	51	42	38	—	
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Fig.1.1 Mounting method
(Normal position)