COSEL

Temperature increase of main components

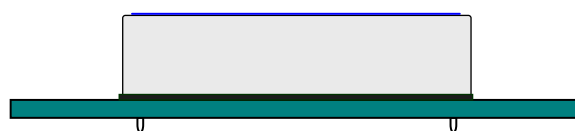Model: MGW3048□□

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 ($\triangle$T) [deg]			Rated temp. [℃]	Reference
			±5V	±12V	±15V		
1	Transformer	T101	50	–	51	150	
2	Switching MOS–FET	TR101	44	–	47	150	Junction Temp.
3	Rectified Diode(Output)	D201	53	–	48	150	Junction Temp.
4	Rectified Diode(Output)	D203	52	–	48	150	Junction Temp.
5	Output Choke Coil	L201	53	–	50	150	
6	Bipolar Transistor	TR113	40	–	41	150	Junction Temp.
7	Case	–	42	–	41	–	
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(Side view)

Fig.1.1 Mounting method
(Normal position)