

Temperature increase of main components

Model: MGS648□□

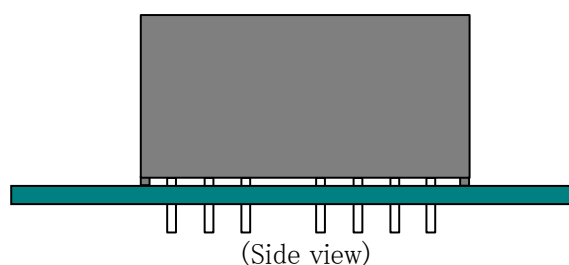
1. Conditions

- (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)				Rate d temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	37	32	28	26	150	Junction Temp.
2	Power control IC	IC11	37	31	27	25	150	Junction Temp.
3	Rectified diode (Output)	D201	53	42	32	29	150	Junction Temp.
4	Photocoupler	PC11	37	31	27	25	125	Junction Temp.
5	Transformer (PCB)	P2	39	34	29	27	130	
6	CASE	CASE	36	31	27	25	105	Top Surface Center
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Fig.1.1 Mounting method
(Normal position)