

Temperature increase of main components

Model: MGXS624□□

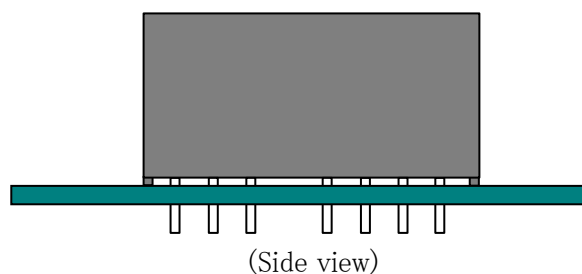
1. Conditions

- (1) Input :DC 24 [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]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR11	31	31	32	31	150	Junction Temp.
2	Switching MOS-FET	TR101	32	33	34	33	150	Junction Temp.
3	Rectified diode(Output)	D202	—	—	35	35	150	Junction Temp.
4	Rectified MOS-FET(Output)	TR201	37	35	—	—	150	Junction Temp.
5	Photocoupler	PC11	30	29	30	30	125	Junction Temp.
6	Transformer (PCB)	P2	34	32	35	34	130	
7	ケース	CASE	31	31	32	32	105	Top Surface Center
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Fig.1.1 Mounting method
(Normal position)