

Date : Jul.9,2026

Temperature increase of main components: 主要部品温度上昇

Model: MUS1548□□

1. Conditions

- (1) Input :DC 36 ~ 76 [V]
 (2) Output :Rated output
 (3) Mounting method :As shown in Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Switching Mos-Fet	TR101	43	37	34	35	150	Junction Temp.
2	Input Choke Coil	L101	31	25	26	25	125	
3	Output Choke Coil	L501	40	26	26	22	125	
4	Synchronous Rectifier Fet	TR501	40	27	—	—	175	Junction Temp.
5			—	—	26	24	150	Junction Temp.
6	Transformer	T101	57	43	39	27	155	
7	Optocoupler	PC251	37	31	30	29	135	Junction Temp.
8	Case	—	37	31	30	29	—	Top Surface Center
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(Side view)

Fig.1.1 Mounting method
(Normal position)