

Temperature increase of main components

Model: STMGF□3024□□

1. Conditions

- (1) Input :DC 9 ~ 36 [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	±5V	±12V	±15V		
1	Input Choke Coil	L11	26	19	27	24	21	34	22	120	
2	Input Capacitor	C19	23	18	20	22	16	23	23	105	
3	DC-DC converter (Case)	PS1	50	40	38	50	34	44	50	110	
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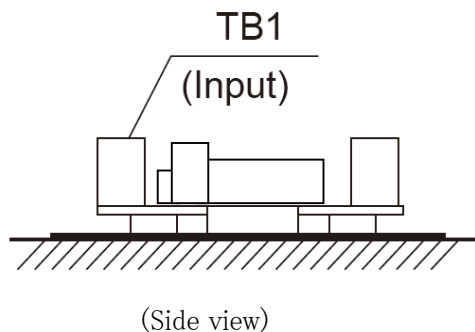


Fig.1.1 Mounting method
(Normal position)

Temperature increase of main components

Model: STMGF□3048□□

1. Conditions

- (1) Input :DC 18 ~ 76 [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	±5V	±12V	±15V		
1	Input Choke Coil	L11	26	33	32	32	27	33	40	120	
2	Input Capacitor	C19	10	18	17	19	13	22	22	105	
3	DC-DC converter (Case)	PS1	49	39	37	46	35	43	50	110	
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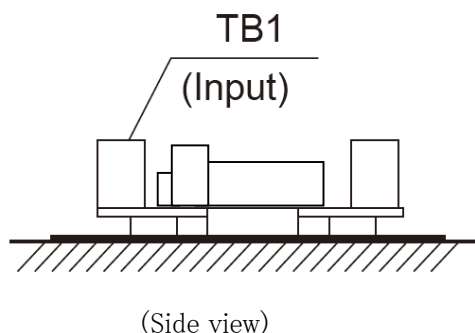


Fig.1.1 Mounting method (Normal position)