

Date : Nov 5, 2004

Temperature increase of main components

Model: SFS2048 series

1. Conditions

- (1) Input : DC36-76V
 (2) Output : Rated output
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)							Rated temp. [°C]	Reference
			[deg]								
			1.5V	1.8V	2.5V	3.3V	5V				
1	Input choke	L102	28	30	32	28	29			125	
2	Switching MOS-FET	TR101	35	41	38	34	40			150	Junction Temp.
3	Power control IC	IC101	29	33	32	29	29			125	Junction Temp.
4	Transformer (PWB)	T101	43	46	44	41	41			130	
5	Rectified MOS-FET	TR501	45	46	43	39	37			150	Junction Temp.
6	Rectified MOS-FET	TR502	48	49	43	42	39			150	Junction Temp.
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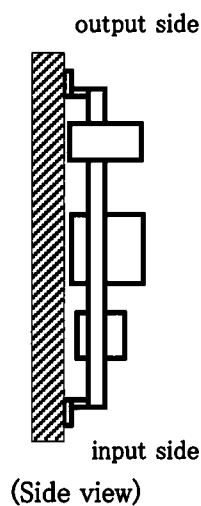


Fig.1.1 Mounting method