

Date : May.17,2005

Temperature increase of main components

Model: SFS1524series

1. Conditions

- (1) Input : DC18-36V
 (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	12V	15V		
1	Switching MOS-FET	TR101	27	25	26	29	28	35	35	150	Junction Temp.
2	Power control IC	IC101	26	24	24	27	26	31	31	150	Junction Temp.
3	Transformer (PWB)	T101	28	26	26	32	30	35	28	130	
4	Rectifying MOS-FET	TR501	32	28	30	35	27	33	35	150	Junction Temp.
5	Rectifying MOS-FET	TR502	30	29	31	35	27	29	30	150	Junction Temp.
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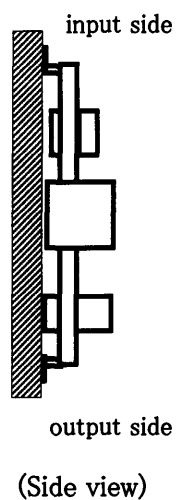


Fig.1.1 Mounting method