

Temperature increase of main components

Model: BRDS150

1. Conditions

- (1) Input :DC 12 [V]
- (2) Output :Rated output
- (3) Air flow : 2 [m/s]
- (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]							
			150							
1	Power FET	TR141	123					150	Junction Temp.	
2	Power FET	TR142	123					150	Junction Temp.	
3	Power FET	TR143	130					150	Junction Temp.	
4	Power FET	TR161	123					150	Junction Temp.	
5	Power Fet	TR162	123					150	Junction Temp.	
6	Power Fet	TR163	130					150	Junction Temp.	
7	Power Control Ic	IC301	113					125	Junction Temp.	
8	Output Choke(Coil)	L141	83					125		
9	Output Choke(Coil)	L151	83					125		
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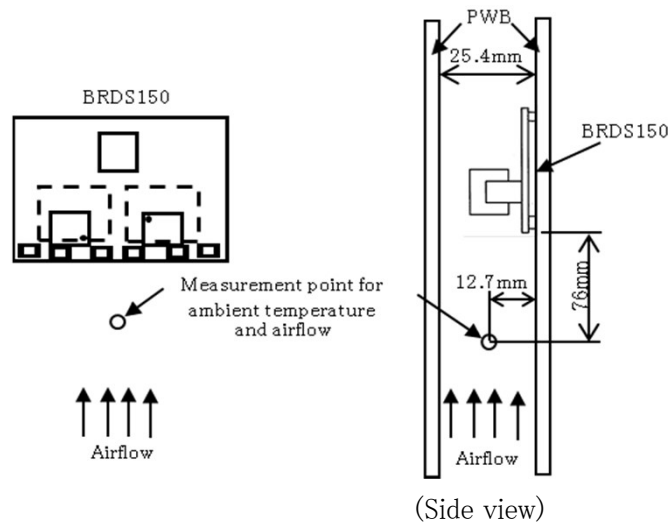


Fig.1.1 Mounting method